

CHEMIST and DRUGGIST

FEBRUARY 13, 1943



The

CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

published 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

3 2 8 8
CXXXIX

FEBRUARY 13, 1943

Annual Subscription (with
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Please
return
Monsanto
empties

Many of these products are either controlled or subject to restriction arising from control of raw material. These conditions may vary, but, subject to such restrictions, we shall be glad to discuss availability and prices with consumers giving the best advice we can on the current position

NEW PRICES for vitamin B₁ products

GLAXO LABORATORIES LTD., are reducing the prices of tablets and ampoules of 'Berin' to the general public on April 1st, 1943. The new retail prices are as shown.

Arrangements have been made for Wholesalers to invoice at the new retail prices less 33½% as from MARCH 1st. Retailers are invited to apply direct to us for credit, if on April 1st they still hold any stock bought at the higher trade rates at present in force until the end of February.

The aneurine hydrochloride (vitamin B₁) used for the 'Berin' preparations is manufactured by us in all its stages at Greenford, and the rigid standards set by the British Pharmacopoeia are maintained by strict analytical control.

	Size	Retail	Plus tax
BERIN TABLETS 1 mg.	25	1/10	exempt
	100	6/-	"
	500	24/-	"
" 3 mg.	25	2/10	"
	100	9/-	"
	500	36/-	"
BERIN AMPOULES 5 mg.	6	5/-	7d.
	12	8/-	11d.
	50	30/-	3/4
" 25 mg.	3	5/-	7d.
	12	16/-	1/9½
	50	63/-	7/-
TRADE DISCOUNT 33½%			

BERIN A GLAXO PRODUCT



GLAXO LABORATORIES LTD., GREENFORD, MIDDX. BYRon 3434



Join the foot crusade

One of the most urgent jobs to be done at this moment is to check the alarming increase in foot troubles. Housewives and war workers alike are feeling the strain, and the nation simply cannot afford it.

By advertising in the National Press including *Times* and *Punch* we at Scholl have been suggesting that more attention should be given to foot troubles. But there are still gaps in our service which you can help us fill! Display Scholl Foot Aids where they will catch the eyes of busy civilians. When they come in, you can then provide relief for most of their foot troubles. If we work together we can do a great deal to help the nation 'stand up to it.'

During the next two weeks, supplies of products listed here are available. Write without delay.

ZINO PADS

TARSO PADS

FELT PADS

BUNION REDUCERS

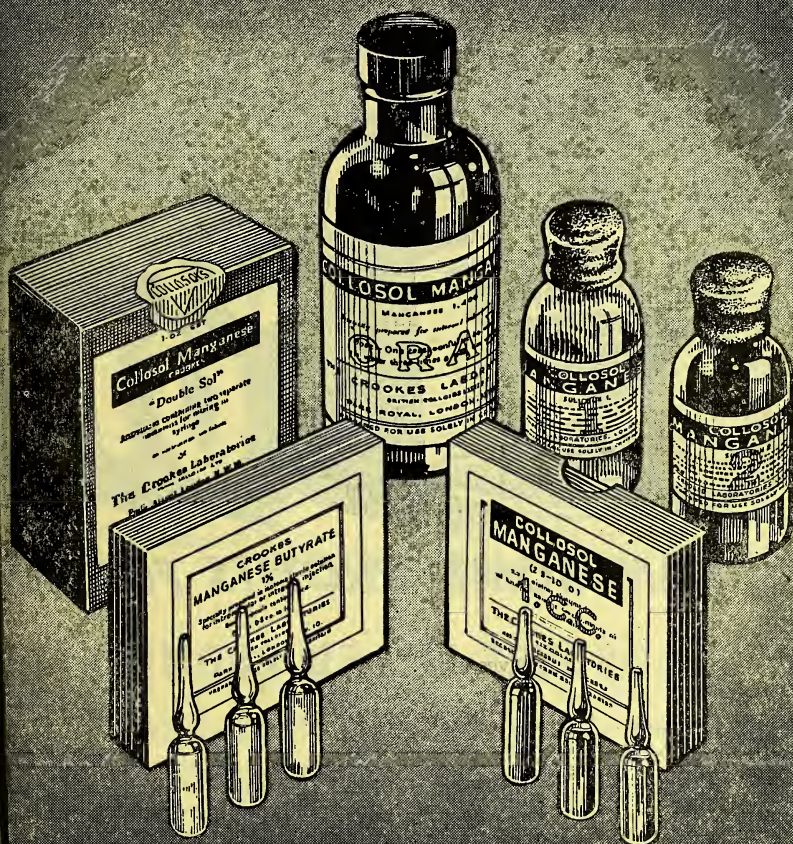
BUNION PROTECTOR

BUNION LOTION

TOE-FLEX

2-DROP CORN REME

CHILBLAIN LOTION



Collosol Manganese Crookes'

In the treatment of boils, carbuncles, abscesses, chronic ulcers, gonorrhœa, acne, psoriasis and other coccogenic and pyogenic affections Collosol Manganese is widely used. It is invariably tonic and stimulating, and increases the protective powers of serum proteins. Injected intramuscularly, there is the minimum of discomfort, and by the oral route Collosol Manganese may be administered to children with perfect safety.

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is going
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.... ORDERS FILLED PROMPTLY

An entirely new kind of antiseptic ointment. In accordance with latest clinical research. Contains non-irritating antiseptic in a modern emulsified base.

Comparative tests by the U.S.A. 'Agar Plate' method show germicidal qualities far superior to Carbolic Ointment, Boric Ointment and others,

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Purchase Tax 16 2/3% 2½d. each

Price to public including tax 2/0d.

Terms to retailers 15/- a dozen. Purchase tax 2/6d. per dozen. 5% for cash with order. (Minimum direct order 3 dozen.)

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PHYSICIANS'
REMEDY

To save material Cephos Powders
are no longer packed in 1/3 cartons
but are supplied loose from the
larger pack.

8 Powders or 16 Tablets, 1/3
21 " 42 " 3/-
"Single Dose, 2d.

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growing Medical and Public Demand for SEROCALCIN

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Experience indicates that SEROCALCIN is effective in 80 per cent. of cases in the prophylaxis and treatment of colds. It is not surprising, therefore, that the demand is increasing faster than the supply. The national importance of SEROCALCIN at the present time makes it specially desirable to ensure equitable distribution. Please co-operate with us by placing your orders EARLY.

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LABORATORIES, LTD.
WIMBORNE HERTS

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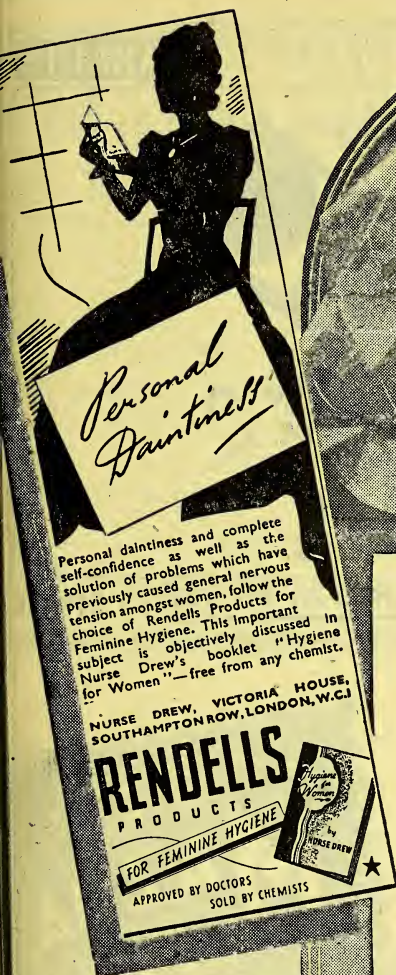
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RAZOR BLADE SHARPE

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An addition to Ingram's Original "AGRIPPA" SERIES



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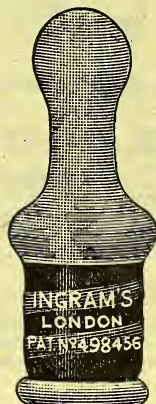
The Harder the teat is pulled the tighter it grips.

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The Patent "Spiral" Band is now fitted to Ingram's four popular shapes.

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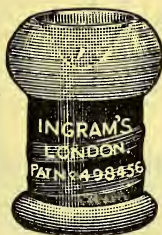
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Three profitable lines . . .

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Available in three popular sizes:

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and the 11/10 family size
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TYNE TRUCK & TROLLEY
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*Hand Trucks
of every
Description*

66-68
NORTHUMBERLAND ST
NEWCASTLE
UPON TYNE



NOW MANUFACTURED BY GENATOSAN LTD.

B.V.U.

(Bromoisovalerylurea)

A Safe and Reliable Nerve Sedative

Less drastic than the barbiturates but more efficient than bromides or valerian. Of value for all forms of insomnia, nervous and mental disorders, dysmenorrhoea and menopausal symptoms.

B.V.U. 5-grain Tablets are available.

Packings : 10 100

Prices per doz. : 20/3 126/- Purchase Tax 16 $\frac{2}{3}$ % extra.

GENATOSAN LIMITED, LOUGHBOROUGH, LEICS.

The Popular

PHOSFERINE PRODUCTS

are on the P.A.T.A. List

EMERGENCY
PACK No. 2
3/3d.



The great demand for Phosferine Products has created many problems connected with the manufacture, packing and distribution of these very popular lines. But these difficulties, as they arise, are being overcome.

It will be necessary to introduce emergency packs for Phosferine Tablets, owing to the shortage of glass and the difficulty of obtaining carton board. These new packs, wax paper tubes, are illustrated in the group of Phosferine Products.

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No. 1, 1/4d.

PHOSFERINE (ASHTON & PARSONS) LTD., King Georges Avenue, WATFORD HERTS.

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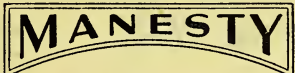
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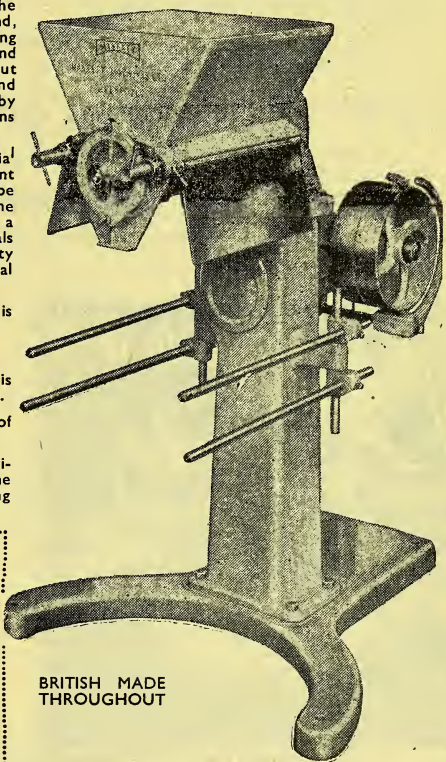
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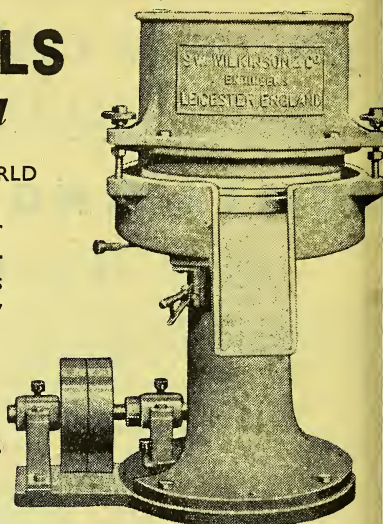
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A 9d. bottle makes 6 gallons of
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OUR REF.

February 12, 1943

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It is with regret that, through the medium of the "Chemist and Druggist," we have to inform the trade of our inability to open new accounts during wartime. Under normal conditions we shall be happy to help all those who wish to obtain supplies of our goods, but until then we feel sure you will realise that our old and established friends must take priority. The limited availability of most preparations does not permit us to do otherwise.

Until the easier days of peace, therefore, we ask your indulgence. We are confident that our policy will be appreciated by those concerned, and we trust that the time is not far distant when we shall be in the happy position of being able to supply everyone with their requirements.

Yours truly,

Potter & Clarke Ltd.

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SMOKING MIXTURE
ASTHMA
CIGARETTES**

**Dr. Thompson's
SLIPPERY ELM
FOOD
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P.A.T.A.
Preparations





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25 "	3-oz. Amber round
100 "	2-oz. Vials
100 "	5-oz. wide mouth flat jars
150 "	20-oz. Winchester cork mouth
50 "	24-oz. " amber
100 "	1-oz. Eau-de-Cologne Bottles
100 "	$\frac{1}{2}$ -oz. Screw Vials (long)
100 "	4-oz. Square screw cap
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Large stocks of Winchester 20-oz.—160-oz.

also wide range of other sizes of MEDICAL BOTTLE

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Redundant stocks of Bottles purchased for ca

**The demand is
growing rapidly
for this anthelmintic**

'Oxylan' brand Diphenan approaches the problem of threadworm infestation on true chemotherapeutic principles. Extensive clinical experience has proved it to combine satisfactory tolerance with high anthelmintic

efficiency in both children and adults. 'Oxylan' brand Diphenan is being regularly prescribed by an increasing number of practitioners. Well-timed advertising is helping to maintain a steady prescription demand.

'OXYLAN' BRAND Diphenan
for the treatment of threadworm infestation

Compressed products, each containing $7\frac{1}{2}$ grains:

Bottles of 20 ... 4/0 (*Purchase Tax 6d. extra*)

Bottles of 100 ... 18/0 (*Purchase Tax 2/3 extra*)

Subject to trade discount



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OF NUTRITIONAL IRON DEFICIENCY

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Ferrous Sulph. Exsicc.	-	2 $\frac{3}{4}$ gr.
Copper Sulphate	- -	1/100 „
Excipient	- - -	5/8 „
Dried Yeast	- -	2 „
Manganese Hypophos.	-	1/32 „
Chocolate Coating q.s. to		8 $\frac{1}{2}$ „

FERRÆMIA tablets fulfil these essential requirements:—

1. Promote appetite; do not cause gastric upset or constipation.
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4. Cost of treatment is low.

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NEWS OF THE WEEK

Pharmacy Students' Reservations.—The Minister of Labour and National Service extended the Schedule of Reserved Occupations on February 1, and reservation as a medical, dental or pharmacy student now lies only to a man who fulfils the requirements of the Schedule before he reaches the age of eighteen years.

Blackcurrant Syrup and Purée.—A Ministry of Food notice states that there are adequate supplies in chemists' shops of blackcurrant syrup and purée, made from black currants of the 1942 crop. The cooperation of the manufacturers and the National Pharmaceutical Union has been secured to see that these products are sold only to children, invalids and others in need of vitamin C. The Ministry intends the word "children" to include all children up to sixteen years of age. Blackcurrant products are available, if parents wish, to children who hold Ration Book R.B.2.

Soap Under Permit.—The Ministry of Food announces that, where a non-domestic user has been authorised to obtain soap by means of a permit, no objection will be raised if delivery of the soap for any four-weekly period is made during either the four weeks immediately preceding or the four weeks immediately following. The concession does not apply to the domestic soap ration.

Commodity Insurance Premium Rate.—The Board of Trade, with the approval of the Treasury, has decided that in the period March 3 to June 2 the amount of premium payable under any policy issued under the Commodity Insurance Scheme is to be at the rate of 2s. 6d. per cent. per month. The monthly and three-monthly policies for a fixed sum and three-monthly adjustable policies hitherto issued will be continued. The new rate is a reduction of 50 per cent. on the existing rate.

Grocery Wholesalers to Combine.—The Ministry of Food is requiring wholesalers of groceries and provisions to join a War-time Association in order to effect economies in transport and labour.

Eire Proposals for Vitamin Labelling.—The Dietetic Council of the Medical Association of Eire has made representations to the Department of Supplies urging that all vitamin preparations offered for sale should bear a statement of the amount, in recognised units, of the vitamin present, and of the date of issue of the preparation.

Eire Examination Results.—Out of thirty-one candidates who entered for the January Assistants' examination of the Pharmaceutical Society of Ireland the following passed: Eileen Teresa Collins, Mary Fitzpatrick, Ellen Josephine Fleming, Anna Maria Hough, Rose Lacy, Margaret Mary O'Donovan, Nora Teresa O'Shea, Mary O'Sullivan, Francis Rouse, Patrick Stack.

Associate Members' Group Formed in Ulster.—Persons eligible to become associate members of the Ulster Chemists' Association met on February 1 and confirmed a decision taken a week earlier that an Associates' Group should be formed within the Association. Detailed proposals were considered, and four representatives were appointed to discuss the suggestions with representatives of the executive committee so that mutually agreeable rules for Associates might be drawn up. Both meetings were convened by the Association.

Bath N.P.U. Resolutions.—Bath Branch of the National Pharmaceutical Union met on February 3 and approved the following resolutions to be passed to the Chemists' Friends Association: "That Chemists' Friends wholesalers should not supply any goods whatever to other than registered pharmacies"; and "That all new C.F. lines should show chemists a minimum of 33½ per cent. on selling price, and that after the war, when prices again become 'uncontrolled,' all C.F. lines should be required to show 33½ per cent. minimum on selling price. In a discussion on the future of pharmacy it was agreed that, to ensure the future status of pharmacists, they must demand the sole right of supplying all medicinal articles to the public; and that for this, and for the dispensing of all medicines, adequate remuneration must be obtained. The following resolution was adopted and sent to the chairman of the planning committee of the Pharmaceutical Society: "The Bath Branch of the N.P.U. states most definitely that, in its opinion,

pharmacists, in view of their training and qualification, are the only proper persons to supply medicines of any description (i.e. including all proprietaries) to the public. The Branch suggests, therefore, that the planning committee should bear this in mind in its recommendations for the future of pharmacy."

Eire Bonus Demand.—An application for an 8s. a week bonus order was made on behalf of some 350 workers employed in the Eire wholesale drug trade before the Wages Advisory Tribunal in Dublin on January 25. For the workers, Mr. M. McCarthy (Irish Transport and General Workers' Union) submitted that payment of the bonus would not affect the numbers employed and there should be no appreciable increase in the price of goods as a result. For the wholesale section, Irish Drug Association Mr. R. J. Kidney (secretary) said that Eire was almost entirely dependent on imported drugs. Supplies at present were being reasonably maintained but the outside market was contracting and there was every indication that it would contract even more. There were a number of drugs obtainable only on a small quota basis. A large number of the thousands of proprietary articles of all kinds had been seriously curtailed, or cut off altogether. It had not been possible to make up deficiencies, chiefly owing to lack of shipping facilities, and the turnover in patent and proprietary article had gone down by from 20 to 25 per cent. Prices of most patent or proprietary article were fixed by the manufacturers, and it was not possible for the wholesalers to increase gross receipts to meet increasing overhead charges and decreasing turnover. Prospects for the wholesale drug trade were not good and for that reason the Association felt they were unable to join with the Union in a joint application for a bonus of 5s. The wholesale trade, continued Mr. Kidney, appreciated that there was an increase in the cost of living, and was prepared to agree to a bonus of 3s. Otherwise it was felt that there would be no alternative but dismissal, or at least the suspension of redundant employees. Wholesalers would be in a serious position owing to increased overhead expenses and falling turnover; they would be obliged arbitrarily to increase prices in order to recoup expenses. It was estimated that the bonus would necessitate an increase in prices from 3 to 5 per cent. and this increase would be passed on to the public. The hearing concluded, and the Tribunal will report to the Minister for Industry and Commerce.

TOPICAL REFLECTIONS

The Third Estate

Your report of a conference of the Association of Scientific Workers, opened by Sir Robert Watson-Watt, of radio-location fame (p. 131), has induced me to borrow for the heading of this paragraph an expression used by this eminent scientist in a recent article in "The Sunday Times." The theme of that article (I hazard a guess that it came into his speech) is the function of scientific workers in production. Sir Robert happily names them "the Third Estate." An old generalisation, he points out, was to the effect that they should be kept in a back room and fed through a pigeon-hole. A more recent distortion knows "a blind faith in the capacity of science" to produce unlimited changes—frequently for the worse—by some obscure black magic that has no initial point of contact with that daily life of the plain man which is so gravely to be modified by its application." The truth differs from both of these conceptions. Scientific workers have contributions to make "alike in the formulation and in the execution of production policy." They must express themselves in a language of their own and from a standpoint of their own. The popular idea of production enterprise as a simple quality consisting of capital and labour can no longer be justified. A striking example of the influence of science in large-scale methods is afforded by what the writer calls "the Listerism of engineering," concerned not merely with the removal of undesired impurities but also with the introduction of "controlled impurities" in certain proportions. Chemical engineers will fully appreciate the point.

Who are the Civilised?

In your entertaining comment on a rampant competition organised by one of our contemporaries (p. 143) you give a thoughtful turn to the subject by remarking that an improvement in the critical faculty of the public "will come, if it does come, only very gradually." The importance of this factor in determining the tone of advertisements—and not only advertisements of medicines—is often overlooked. To vary a familiar saying, the public gets the advertisements it deserves. When we link of earlier civilisations by way of comparison, we need to avoid putting any rain on analogies that they will not bear. Mr. Clive Bell, in his "Civilisation" (dedica-

tion dated April 1927)—a book the hedonism of which is far from that of Bentham or Mill—selects Athens in the fifth and fourth centuries B.C., Italy during the early years of the Renaissance, and France from 1660 to 1789 as the three pre-eminently civilised periods of history. Other students might, as he concedes, add a few periods chosen from the records of other states. The point is, however, that life is not static. The passing of feudalism, the introduction of printing, the extension of parliamentary suffrage and other such outstanding events have to be taken into consideration, as well as the movement of social forces and of scientific developments. These latter influences, though less may be heard of them, have an important bearing on the level that any civilisation has reached at any selected moment.

Wesley, Hawes and James

Some of your readers may know the formula in Wesley's "Primitive Physick" for the jelly for "a consumption" mentioned on p. 130 of your last week's issue. In this section on July 29, 1939, reference was made to the criticism of Wesley's book by William Hawes, M.D., in 1776. I only recall that paragraph for the purpose of pointing out what space did not then permit, that Hawes, who owned an apothecary's shop in the Strand, London, was involved about the same time in another controversy, occasioned by the death of Oliver Goldsmith and Hawes's dislike of James's Powder. In this phase of a triangular contest, Samuel Johnson brought up his heavy artillery, as is related in A. C. Wootton's "Chronicles of Pharmacy." The discussion reached the newspapers. Hawes was a remarkable man to whom in recent times justice has hardly been done. At his own expense he arranged for the bodies of the drowned to be brought to him so that he might attempt resuscitation; this practice led to the formation of the Royal Humane Society, of which he was a founder. He was the subject of a four-page notice in "The European Magazine" in 1802, and of a similar tribute on his death in 1808. Wesley inherited from or shared with Bishop Berkeley a clerical fondness for dabbling in prescribing; but whereas the bishop made a panacea of one article, the evangelist included over 1,000 recipes in his dispensatory, and thus presented a bigger target for attack.

Xrayser

TRADE NOTES

Export Enterprise.—Moore Medicinal Products, Ltd., Aberdeen, inform us that after persistent efforts they have succeeded in opening up business relations with firms in Spain and Portugal.

Dyspepsia Tablets.—Meggeson & Co., Ltd., London, S.E. 15, point out that prices are 1s. 6d. and 3s. 10d., including purchase tax, and not as stated in the advertisement in last week's issue.

No New Accounts.—Potter & Clarke, Ltd., Artillery Lane, London, E.1, announce that, owing to the limited availability of most of their preparations, they are unable to open any new accounts during war-time.

"C. & D." Diary and Year Book, 1943.—Subscribers are asked to note that the address of Nu-Organic Remedies, Ltd., is that given in the index of addresses, viz., 192a Broadhurst Gardens, West End Lane, London, N.W.6. Telephone: Maida Vale 3741. The company's advertisement (p. 60) should be altered accordingly.

B.V.U.—Described as a safe and reliable nerve sedative, B.V.U. (bromoisovalerylurea) is now being manufactured by Genatosan, Ltd., Loughborough, Leics. The product is claimed to be less drastic than barbiturates but more efficient than bromides or valerian. Supplies of B.V.U. are available in packings of ten or 100 5-gr. tablets.

Trufood Supplies.—An increased manufacturing programme inaugurated by Trufood, Ltd., Bebington, Cheshire, is reported by the company, under which normal supplies will shortly be available. Dealers are asked to order in reasonable quantities to meet immediate needs only, and thus facilitate equitable distribution. The company acknowledges the goodwill of customers during a difficult period when stock has been limited, and claims further indulgence until production is once more in full swing.

The 1943 "Whitaker."—One of the principal features of the seventy-fifth annual volume of "Whitaker" is the increase in space needed for particulars of Government and public offices. These departments required eight pages in the first issue (1869), eighty pages in 1939, and in the present issue the space is extended to 101 pages. The Diary of the War, with its set-backs and advances, is condensed into sixteen pages, and in response to numerous requests "Government by Party,"

which appeared in the 1932 edition, reprinted in the present issue, with an extension covering the period which has since elapsed. Some idea of the scope of the new "Whitaker" can be gained from the table of contents on page 7, and from the eighty-page index, which contains upward of 30,000 references. There are again the usual three editions—the library edition leather-bound with fourteen coloured maps at 21s. net; the complete edition, cloth bound, at 10s. net; and the shorter edition containing only the first 704 pages of the full book, paper-bound, at 6s. net.

C. & D. DISPENSING PRICE LIST

CHANGES in prices for the month of January were few. One important increase—in bismuth—caused a small addition to the index figure, which becomes 134.3, a decimal point higher than the December figure. The figure for 1942 was 130.4. The more important of the alterations to the dispensing list are set out below:—

Cost		Due allowance has been made for purchase tax in both cost and dispensing prices	Dispensing price		
d.	per		4 oz.	1 oz.	1 dr.
144	lb.	Ammonii mandelas 50 p.c. sol.	s. d. 5 2	s. d. 1 6	—
43	oz.	Aloinum	—	—	1
32	oz.	Aqua feniculi conc.	—	5 3	0
155	lb.	Bismuthi carbonas	5 7	1 8	0
24	oz.	Bismuthi oxychloridum	—	3 6	0
12	oz.	Bismuthi subnitras	—	1 9	0
84	lb.	Ext. marrubii liq. .	3 6	1 1	0
40	oz.	Ext. ipecac. liq. .	—	6 5	1
13	oz.	Ext. nuc. vom. sicc. S. 1 (5)	—	2 2	0
54	lb.	Glycerin. pepsin., B.P.C.	2 8	0 10	—
36	lb.	Liq. strychn. hyd. S. 1 (5)	—	5 9	0
110	oz.	Ol. menthæ (de- menth.) .. .	—	16 2	2
12	lb.	Ol. palmæ .. .	0 6	0 2	—
50	oz.	Ol. pulegii .. .	—	—	1
16	lb.	Ol. sinapis expres- sum .. .	—	0 7	0
16	oz.	Pulv. ipecac. et opii S. 1 (5)	—	2 7	0
4	oz.	Sodii formos .. .	—	0 7	0
78	oz.	Strychnin. pulv. S. 1 (4)	—	—	2
74	oz.	Strychnin. hydroch. S. 1 (4)	—	—	2
24	lb.	Syr. rhamni .. .	1 6	0 7	0
50	lb.	Tr. ipecacuanhæ ..	—	2 2	0
28	lb.	Ung. hyd. oxidi flav.	—	0 5	0

RECENT RULES AND ORDERS

Perfumery Export Control.—The schedule of the Export of Goods (Control) (No. 45) Order, 1942, has been amended by S. R. & O., 1943, No. 98, to include perfumery and toilet preparations, whether medicated or not. The Order comes into force on February 15.

Rubber Gloves Return Required.—The Board of Trade has issued directions (S. R. & O., 1943, No. 65) that any person who carries on a business in the course of which rubber gloves are manufactured or imported must send to the Chief Accountant, I. & M. Department 3, Board of Trade, North Gate, Prince Albert Road, London, N.W.8, returns giving specified information in respect of the period May 15 to November 15, 1942, and of subsequent quarterly periods ending respectively with the last day of February, May, August and November. The returns must be furnished within twenty-one days from January 27, and each subsequent return within fifteen days from the end of the period to which it relates. The information required relates to stocks held and or acquired.

Ex-quota Purchases.—A General Licence (S. R. & O., 1943, No. 130) has been drawn up by the Board of Trade modifying to some extent the conditions under which quota purchases may be made by certain privileged organisations. Copies will be available from H.M. Stationery Office in due course. The principal changes are as follows:—

1) The power to make ex-quota purchases is confined to named officials and to other persons specifically authorised by the organisations concerned; the headquarters of the organisations will be responsible for ensuring that the total value of the orders does not exceed an amount agreed with the Board of Trade.

2) Orders must always be placed in a form indicated in the General Licence. These may be placed with unregistered as well as with registered persons. If placed with unregistered persons, replacement will be made by the registered suppliers if the order form is properly signed.

3) The arrangements hitherto in operation for ex-quota supplies of goods in Class 1 to ships' stores dealers were cancelled on February 1, as adequate supplies of such goods are being made available by the Merchant Navy Supply Association. The form S.25A is thus no longer valid for

ex-quota supplies in respect of the goods included in Class 9c.

Engaging of Women Employees Controlled.—Under an Order issued by the Minister of Labour and National Service (S. R. & O., 1943, No. 143), which comes into force on February 22, no person may engage a female employee otherwise than by notifying to a local office or approved employment agency particulars of the vacancy to be filled and by engaging for the vacancy a person submitted by the local office or approved employment agency, unless she has not attained the age of eighteen years or has attained the age of forty-one years. A woman not in the excepted age groups is compelled to seek employment, if at all, by application to a local office or approved employment agency, and must take the employment offered by the local office or approved employment agency. There are a number of occupations to which the Order does not apply. They include professional nurse or probationer; certified midwife or person undergoing training as a midwife; member of Voluntary Aid Detachment.

More Optical Goods Price-regulated.—The Board of Trade, after consultation with the Central Price Regulation Committee, has made an Order amending the Prices of Goods (Price-regulated Goods) Order, 1942, No. 794, and adding to the list of goods price-regulated under the Goods and Services (Price-control) Act, 1941, the following articles: Spectacles, lorgnettes, pince-nez and spy glasses, and frames and lenses thereof and component parts thereof. In future all manufacturers, wholesalers and retailers dealing in these articles may increase their prices beyond those ruling on August 21, 1939, only by the amount representing the actual increase in the costs of their business. They must be prepared to justify any such increase. Inclusion of the articles in the list of price-regulated goods makes them subject also to the Restriction of Resale Order (S. R. & O., 1942, No. 958) and the Price-controlled Goods (Invoices) Order (S. R. & O., 1941, No. 1388). The new Order, known as the Prices of Goods (Price-regulated Goods) Order, 1943 (S. R. & O., 1943, No. 118), came into force on January 29. Copies will shortly be obtainable from H.M. Stationery Office, York House, Kingsway, London, W.C.2.

COMPANY NEWS

D. J. GRANT & Co., LTD. (P.C.).—Capital £1,000. To acquire the business of a chemist and druggist carried on as "D. J. Grant" at 567 Finchley Road, Hampstead, London, N.W.3, and elsewhere. Directors not named. R.O. as above.

A. CLARK (HARPENDEN), LTD. (P.C.).—Capital £1,500. To acquire the business of a chemist and optician carried on by Albert Clark at 6 Station Road, Harpenden. Albert Clark, M.P.S., and Mrs. Elsie K. Clark, directors. R.O. as above.

PAWLEY & PARTNERS, LTD. (P.C.).—Capital £100. Importers and exporters of and dealers in foreign and colonial produce, including essential oils, pharmaceutical products, etc. Directors not named. R.O.: 25-26 Hanover Square, London, W.1.

H. & D. M. LYON, LTD. (P.C.).—Capital £2,000. To acquire the business of a chemist and druggist carried on by Harold Lyon at 18 Formosa Street, Maida Vale, London, W.9. Directors not named. Solicitors: Alexander Rubens & Co., 73 Basinghall Street, London, E.C.2.

EXRID, LTD. (P.C.).—Capital £1,000. To acquire the business of manufacturers of and dealers in veterinary medicines carried on by Bernard L. Nicholls and Robert A. Fuller at 5 Mill Bridge, Hertford. Bernard L. Nicholls and Robert A. Fuller, directors. R.O.: 5 Mill Bridge, Hertford.

DIXOR, LTD.—Revenue for the year 1942 amounted to £13,869, against £25,689 in 1941. Dividend on ordinary stock is 10 per cent. (same as last year).

MILTON PROPRIETARY, LTD.—Final dividend on ordinary shares, $7\frac{1}{2}$ per cent., making $12\frac{1}{2}$ per cent. (same as last year) for the year ended September 30, 1942.

PARTNERSHIP DISSOLVED.—The "London Gazette," January 22, advises that the partnership between Samuel Bradley, Andrew Phillips and Merrylee Chemicals, Ltd., under the style of Fine Dyestuffs & Chemicals Co., Calder Street, Manchester, has been dissolved so far as concerns Samuel Bradley.

BANKRUPTCY.—Harry Taylor, M.P.S., 110 Pimlico Road, Clitheroe, Lancs, carrying on business at 35 Moor Lane, and lately carrying on business at Bridge Road, Chatburn, near Clitheroe: First and final dividend, 8s. 11d. in the £, due to have been paid at 43 Preston New Road, Blackburn, on February 8.

PARLIAMENTARY NEWS

Hearing-Aid Batteries.—The President of the Board of Trade (Mr. Dalton) stated to Mr. Pethick-Lawrence on January 3 that hearing-aid batteries were reported by the manufacturers as reasonably satisfactory, except for one low-tension type, the shortage of which was due to urgent Service requirements. He had impressed on those concerned the importance of increasing production, and hoped that there would be an early improvement in the supply position.

Containers for Medical Goods.—Mr. Wootton-Davies asked the Minister of Supply on February 3 whether he was aware that, since the use of collapsible tubes for hygienic or medical commodities had been banned, glass pots were being largely employed, with increased weight in transport and greater liability to breakage, and whether he would issue further regulations on the subject. Sir A. Duncan replied that he had no reason to suppose that the disadvantages of glass containers were serious.

United Kingdom Commercial Corporation.—Sir A. Southby asked the President of the Board of Trade on January 26 to what extent this corporation was acting, directly or indirectly, as agent for His Majesty's Government. Mr. Dalton replied that the organisation set up by the Government was doing valuable work in many parts of the world, and acted, for the most part, as agent for one Department or another of the Government, though it also gave assistance to private traders. He would give no assurance that at the termination of hostilities the United Kingdom Commercial Corporation would cease to exist and to function.

Distribution of Orange Juice.—Mr. Brookes asked the Parliamentary Secretary to the Ministry of Food on February 3 whether any change was proposed in the method of distributing orange juice, in view of complaints by mothers about the inaccessibility of child welfare clinics, and whether he would consider using the services of retail fruiterers. The reply by Mr. Maberly was that more than 7,500 centres were distributing orange juice at present, and steps were being taken to increase the number. The possibility of using various types of trade channels for distribution of supplies to the public had been most carefully considered, but had not been found to be practicable.

LEGAL REPORTS

Deed of Arrangement Dispute.—Clavery Bates, Ltd., Conduit Street, London, W., appealed in the Court of Appeal on February 3 against an order of Mr. Registrar of London declaring that the appellants were creditors of Mr. John Jenson Yardley, P.S., Main Road, Gidea Park, Romford, who were entitled to the benefit of a deed of arrangement made by Mr. Yardley, owner of some thirteen shops in Romford; Ilford Lane, Dagenham; and Edmonton. The appellants were landlords of the Edmonton shop at Fore Street, and they obtained judgment against Mr. Yardley, who owed them about two years' rent of the shop, which he held on a lease.

Sir George Jones, for the appellants, said that at first they refused to come in under the deed of arrangement, but after February 5, 1942, correspondence took place with the trustee under the deed. He submitted that the terms the trustee then held out entitled the appellants to participate in the benefit of the deed. It was largely, said Sir George, a question of facts. What the trustee suggested was that the appellants should come in upon the lease by them of all arrears of rent accrued since the date of the judgment. The Master of the Rolls, giving judgment dismissing the appeal, said the deed of arrangement provided that any creditor who wished to come under it must release Mr. Yardley from debts, claims, etc., incurred before the date of the deed. It seemed to his lordship that by issuing their writ and obtaining judgment against Mr. Yardley, the appellants had precluded themselves from giving such a release, and their action was inconsistent with the deed. Lords Justices MacKinnon and Luxmoore agreed and the appeal was dismissed, with costs.

Food Inspector's Error.—An appeal by British Fermentation Products, Ltd., Putney, London, S.W., against a decision of the Magistrate at Reading, Gloucestershire, magistrates convicting them of selling "Chieftain Egg Substitute Powder," alleged to be not of the nature, substance and quality of the article demanded by the purchaser, was allowed by a King's Bench Divisional Court on January 28.

It was stated that the appellants, the manufacturers, supplied the goods to the British Bacon Company, who supplied them to a grocer at Mangotsfield named Kendall, from whom an inspector under the Food and Drugs Act made the purchase. The

inspector divided the sample into three parts as required by the Act. He gave one part to the seller, sent one to the public analyst and retained a part for future comparison at the hearing. Later he took the seal off the retained part and divided it into two, sending one portion to the appellants. He retained the other portion for future comparison. In those circumstances it was contended, on behalf of the appellants, that a condition precedent to the proceedings under the Act had not been complied with, since the part ultimately retained by the inspector was only part of the part which should have been retained.

Mr. Justice Tucker, giving the judgment of the Court, said the sample had been procured in circumstances requiring its division into parts pursuant to the provisions of the Act. Its production in Court at the hearing was essential and a condition precedent. In doing what he did, the inspector thought he was doing what was right, proper and fair to the appellants, but the result was to render it impossible for him properly to comply with the Act. The sample produced was not the retained sample but something different, and it had become different by the inspector's own intentional act. The Lord Chief Justice agreed.

Food and Drugs Act Case.—At Nottingham, on February 3, Watford Chemical Co., Ltd., South Audley Street, London, W.1, were fined a total of £15 for supplying a quantity of acid calcium ammonium phosphate, intended, but unfit, for human consumption to H. Williams & Co., food manufacturers, Nottingham; and for supplying, in respect of the substance, a false warranty in writing. They pleaded not guilty. According to the prosecution, as Mr. Williams was experiencing great difficulty in obtaining aerating agents for cake mixtures he answered an advertisement by defendants and received a sample of the composition together with a letter which stated that the makers could guarantee the preparation complied with the Food and Drugs Act. Mr. Williams did not doubt the analysis which referred to various chemicals, including calcium oxide. Ammonia, it stated, left no taste or smell in cooking. This, alleged prosecution, was a false warranty. The acid calcium ammonium phosphate contained two poisons present in considerable quantities. He found, however, that cakes made with it

had a flavour of ammonia and the use of the A.C.A.P. was discontinued after factory girls had complained of the taste and smell after testing cakes.

Dr. Cyril Banks, medical officer of health for Nottingham, and president of the Council of the Society of Medical Officers of Health, in evidence, said that neither of the products in the aerating mixture nor the finished cake should be used for food, as they contained arsenic and sodium silico-fluoride. The mixture contained three-and-a-half times more arsenic than the 1.4 parts per million which a Royal Commission had considered permissible, and the acid calcium ammonium phosphate fourteen times more arsenic than was allowed. Sodium silico-fluoride was present in an enormous proportion in the aerating mixture, amounting to 0.49 per cent. The A.C.A.P. had 2.1 per cent. Dr. Banks said he had no hesitation in condemning food-stuffs which contained fluoride in anything like this quantity.

Mr. R. Parry, defending, said that the Watford Chemical Co., Ltd., was registered in January 1942, taking over the old-established business of Watford Laboratories. Questioned by Mr. Parry, a director of the firm said the A.C.A.P. was made by another chemical firm on their instructions. The ingredients were purchased from firms of the highest standing, who were aware of their requirements for food purposes. The analysis put out was sent in the belief that it was perfectly *bona fide*. Mr. Parry contended that the company could not possibly have known of the presence of fluoride and could not be expected to have done so.

Unauthorised Possession of Morphine.—

At Manchester, on January 24, John D. Cotter was sent to prison for twelve months on charges of obtaining tablets containing morphine, without authority, from two Manchester chemists. Cotter, who had been a medical student, had on various occasions obtained supplies of morphine by representing himself to be a veterinary surgeon.

Saccharin Tablets.—Camden Chemical Co., Ltd., Northington House, Northington Street, London, W.C.1, pleaded guilty at Clerkenwell Police Court on February 3 on a summons for selling otherwise than by retail to F. W. Woolworth & Co., Ltd., half-strength saccharin tablets at a price exceeding the maximum. It was stated that the case arose by reason of the fact that a complaint was made that saccharin tablets sold by Messrs. Woolworth were

found to be short. In one lot which was purchased there should have been 10 tablets but there were only ninety-seven. A customer had complained previously that there were only eighty-five in a pack which was sold. It had been found that certain girls were packing carelessly. Although it was felt proper to bring the case before the Court the explanation given was believed to be a sound one. The solicitor for the defence said this was a case in which his clients had been more sinning against by their employees than anything else. The summons was dismissed on payment of five guineas costs.

Pharmacy Act Prosecutions.—At Hampton, recently, George Watt, Wishaw, was summoned for selling a syrup containing codeine without being an authorised seller of poisons, for supplying it in a container not properly labelled, and for using the title "chemist" without being entitled to do so. A fine of £3 was imposed.

At the North Aylesford Petty Session at Chatham, on February 1, Timothy Whites & Taylors, Ltd., 126 High Street, Chatham, were summoned for, while not being authorised sellers of poisons, selling a proprietary preparation containing ephedrine; also for selling ephedrine without the sale being effected by or under the supervision of a registered pharmacist. A fine of £5 was imposed on the first summons, the second being dismissed on the payment of costs.

At Blackpool, on January 29, J. P. Sidbottom, M.P.S., Promenade, was fined £10 in each of two cases for selling a preparation containing a poison; 40s. for selling a preparation containing a poison not properly labelled; and 20s. in each of two cases of not designating substances used in a preparation.—Bertrand Edward Bode, M.P.S., Central Drive, was fined 20s. for selling a preparation containing a poison.

MR. G. G. RULE, M.P.S., 44 West Street, Portchester, Hants, writes asking us to state that he has no connexion with the pharmacist of similar name who appeared before the Statutory Committee of the Pharmaceutical Society recently.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the C. & D., 17 Argyle Street, Bath, Somerset.

I.D.A. ANNUAL MEETING

very matters of moment to the drug trade were dealt with by Mr. F. X. Meagher in his address as president to the annual meeting of the Irish Drug Association, held in Dublin recently. Mr. Meagher

Membership

The year through which your Association just passed has been, by comparison with its four or five immediate predecessors, most outstandingly eventful. Membership has steadily increased—chiefly, I am glad to say, by the return of lapsed members and by the joining-up of others who had hitherto remained outside. Members coming from new openings were comparatively few. In this connexion I should say that we can all look forward with a shudder to the reopening of new openings which will undoubtedly follow the restoration of normal trading conditions after the war. Membership of the I.D.A. now stands at 592 in 1941 and 412 ten years

Price Maintenance

I think I may safely say that price maintenance was never better than during the year under review. As a result of efficient handling of the situation by the committee, Price Fixing Orders have not been made for any of its lines except bread and blue-stone.

Supplies

Supplies of goods for members, though perhaps better than they would have dared to anticipate three years ago, are now rapidly declining, and your committee has not caused no little concern by the somewhat arbitrary methods of rationing adopted by many suppliers, resulting in great inconvenience to members and, more than not, loss of discount or bonus, resulting decline in net profits. Twice during the year the committee has criticised manufacturers of goods which threatened to be in short supply, urging on them the necessity of confining whatever supplies would be available to their chemist customers. Some gave the undertaking; a few gave it with qualifications. In spite of the committee's efforts, members have all the different items of cosmetics available near-by grocer's when they themselves are unable to obtain stocks. The excess demand over supply has made other

manufacturers behave rather high-handedly, and the committee has had to take a cosmetic company to task on these grounds. The committee took up with the Department of Supplies, on a question of public health, the urgent need for an increased ration of kerosene to chemists in rural districts, but I regret to say without success. During the year we had our first experience of coupon rationing, with the coming into effect of the Soap Rationing Order. So far the Order seems only to have increased the demand for toilet soap from the public, without increasing the supplies of soap available to the retailer.

Wage Negotiations

The Association, under Mr. T. C. Scott's able presidency, had anticipated the legislature in that it was registered as a trade union some five years before the recent Trade Union Act became law. This Act compels associations of employers who wish to negotiate with employees to register as trade unions. All that the Association was required to do under the new law was to lodge the necessary deposit of £1,200 with the High Court to be granted a negotiating licence. Almost at the close of the year we agreed to apply, jointly with the chemist section of the Irish Union of Distributive Workers and Clerks, for a Standard Rate of Wages Order and a Bonus Order.

Closing Hours

The committee has had numbers of well-justified complaints about non-observance of the proper closing hours in parts of the Dublin area. The Assistants' Union gave a definite undertaking, when the 8 o'clock closing was first agreed upon, that it was both able and willing to see that the agreement was carried out. The Union has singularly failed to implement this part of its bargain, and the Association will be slow to enter into any hours agreement with the Union again.

Personal Matters

I regret to inform you that Mr. Liston, Limerick, an old and respected member of the committee, has died during the year. The committee has also lost the services of Mr. A. R. Lester, Cork, who, at great inconvenience to himself, was a regular attendant at meetings; he resigned on his election to the Council of the Pharmaceutical

Society of Ireland. In the present transport difficulties he found he could not attend both the Council and the committee. He was replaced by the co-option of Mr. Edmund MacSweeney, Cork. During the year Mr. M. J. O'Rourke was elected to the important office of chairman of the Borough Council of Dun Laoghaire, and Mr. P. A. Brady to membership of the Dublin Corporation. It is an excellent sign to see chemists taking an active part in public affairs. I cannot conclude without paying a tribute to my colleagues on the committee, to Mr. Kidney and his staff, and to Mr. Smith.

Treasurer's Report

Submitting his report as *Treasurer*, MR. G. A. McLEAN LEE said that the year just closed showed the highest membership on record; it was financially one of the best in the history of the Association, closing with a profit of £285. On the income side subscriptions came to £1,422; advertisements to £141; interest on investments to £52; price lists to £4. On the expenditure side the secretary's and organiser's salaries were £570; travelling expenses £169; postages, printing (including price list), stationery and telephones, £436; income tax and corporation duty, £78; making with other charges, including bank, legal and audit, a total expenditure of £1,334. The balance sheet showed a capital of £1,830; assets included investments, £1,250; cash at bank and on deposit, £577; sundry debtors, £2 2s.

The president's address and treasurer's report were unanimously adopted on the motion of MR. T. C. SCOTT, seconded by MR. JOHN GLEESON.

Discussion

In the discussion which followed, MR. A. F. COLLINS, Rathfarnham, thought the Association should interest itself in having a pharmacist candidate elected to the Dail. At present pharmacy was ably represented there, but not strongly from the point of view of numbers. Post-war legislation might embody proposals detrimental to pharmacy or drug-trade interests, and it was essential that pharmacists should be well represented. The problem of finding a right and suitable candidate could be overcome by having two representatives from the Pharmaceutical Society and two from the I.D.A., forming the nucleus of a committee under a chairman to be chosen. This committee could receive subscriptions and could canvass, etc., for the chemist's

nominee. Supporting the suggestion, MR. J. K. WHELEHAN, Mullingar, said chemists should take a more active part in the public life of the State.—THE CHAIRMAN pointed out that official support for a parliamentary candidate raised many difficulties. Whatever the position of the Pharmaceutical Society, the Association, as a registered Trade Union, was subject to stringent rules governing the disposal of money. It could not enter politics, or use the funds or subscriptions of members for political purposes. Anything that could be done by the Association should be done unofficially by chemists who were members of the I.D.A. He agreed with Mr. Collins' suggestion of a small committee: the initiative in introducing the project should come from the Pharmaceutical Society, and if such a letter were given every chemist would give support.

MR. T. C. SCOTT said that, as a member of the Council of the Pharmaceutical Society and of the I.D.A. committee, he was much in favour of further representation in the Dail but, owing to lack of funds, election machinery, etc., chemists should ask themselves to some political party in order to increase their chances of election.—THE CHAIRMAN said that if this course were adopted it would mean that members would have to sacrifice their political feelings.

MR. JOHN GLEESON (president, Pharmaceutical Society of Ireland) pointed out that, in a matter of this kind, the Society was even more tied than the Association by statutory regulations. He suggested that the matter be left in the hands of a small committee, as suggested. MR. COLLINS was of opinion that, unless the Society was interested, there was a danger of the project being dropped altogether.

THE CHAIRMAN suggested that MR. COLLINS should himself form the nucleus of the proposed committee, leaving the Society and the Association officially out of it.

MR. WHELEHAN said the committee should invite subscriptions for an independent chemist candidate forthwith, and the understanding that if no candidates were nominated the subscriptions would go to the Benevolent Fund.—THE CHAIRMAN promised that, unofficially, the I.D.A. would give all the support possible, and would even go so far as to lend its two most active and efficient members (Messrs. T. Bourke and M. Costelloe), who had been responsible for the success of the recent dinner.

MR. GLEESON agreed with the suggestion set up a small committee.

Committee Re-elected

On the motion of MR. P. F. McGRATH, seconded by MR. COLLINS, the following going members of the *Committee* were unanimously re-elected: Messrs. T. C. Pitt, Sir T. Robinson, J. J. Roche, G. A. Lean Lee, J. Smith, P. A. Brady, J. Bridgeman. Miss Anne Macnamara was re-elected *Auditor* on the motion of THE CHAIRMAN, seconded by MR. MURPHY.

Thanks to President

Moving a vote of thanks to Mr. Meagher for his work as president during the year, G. A. McLEAN LEE said that all the members of the committee owed their best thanks to Mr. Meagher for the able manner in which he had filled the chair. Supporting Lee, MR. GLEESON said that, as an *ex officio* member, he had attended one meeting and had been much impressed by the way in which the business was conducted. The motion was cordially passed.

Assistants' Club

MR. COLLINS moved "That the Association notes with pleasure the movement amongst the assistants to form a social club, and urges that every support be given by all chemists." THE CHAIRMAN, supporting Mr. Collins, said that it was a good move on the part of the assistants to get together, and he was sure that, if they looked for help, chemists would only be too glad to give it.

Report of Annual Meeting

MR. WHELEHAN referred to the difficulties caused on country members attending an annual meeting held on a Monday night. Under present transport conditions it was difficult, for the majority, leaving their business places from Saturday to Tuesday. He asked the committee to consider holding the annual meeting some other day of the week in future.

Waste Paper Salvage Report.—A special report has been issued stating "the shortage of waste paper is now acute and everybody, whether in charge of an office, shop, factory or warehouse is asked to contribute to the national effort by getting rid of all possible accumulations of paper, account books, reference books, catalogues and packaging material. Every scrap is urgently wanted for munitions."

BIRTHS

MILLAR.—At Manchester, on February 7, Marjorie, the wife of Norman A. Millar, M.P.S., 21 Oakfield Avenue, Firswood, Manchester, 16 (formerly of Belfast), of a son.

MARRIAGES

SPEAR — SKYRME.—At St. Anselm's Church, Hatch End, Middlesex, on January 23, Second-Lieutenant John Roper Spear, eldest son of the late Mr. F. A. Spear, M.P.S., Plymouth, to Constance Beryl Skyrme, M.P.S., youngest daughter of the late Mr. H. E. Skyrme, M.P.S., Hastings, and sister of Dr. E. W. Skyrme, B.Pharm., Ph.C., M.P.S. (a member of the Board of Examiners of the Pharmaceutical Society).

DEATHS

GREGORY.—At Brayton, Broadway, Hale, Cheshire, on February 6, Mr. Henry Gregory, managing director of the Veno Drug Co., Ltd., Manchester, 16.

NEWBERY.—At Bournemouth, on January 29, Mr. Percy Le Blanc Newbery, elder son of the late Mr. Arthur Le Blanc Newbery, and one of the two remaining original directors of Francis Newbery & Sons, Ltd., London. After spending a number of years travelling through Canada and America, Mr. Newbery represented the company in Scotland and the North of England. In later years he resided in Jersey and the South of France, coming back to this country shortly before the last war. Mr. Newbery, who was a bachelor, was a keen photographer and fond of motoring.

THOMSON.—Recently, Sir St. Clair Thomson, M.D., F.R.C.P., F.R.C.S., formerly Professor of Laryngology and Physician for Diseases of the Throat and Nose, King's College Hospital, London, aged eighty-three. Many of our subscribers will recall that Sir St. Clair was keenly interested in the study of pharmaceutical pottery, and that under the title "A Physician's Collection of Pharmacy Jars," an illustrated article dealing with his collection appeared in the *C. & D.*, October 5, 1935.

TRUE.—On February 4, Mr. William True, senior representative for sixteen years of James Tompkins, Ltd., surgical sundriesmen, 386 City Road, London, E.C.1, aged fifty-one.



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CXXXIX FEBRUARY 13, 1943 NO. 3288

The fact that goods made of raw materials short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

Post-war Economic and Industrial Planning

statements made by Government representatives in the two-days' debate in House of Commons last week on "Economic Policy" are the first official announcements indicating in broad outline the steps it is proposed to take to ensure national economic security after the war. The Chancellor of the Exchequer (Sir Kingsley Wood) dealt with the subject of "Post-war Financial and Economic Policy," while the President of the Board of Trade (Mr. Dalton) outlined his proposals for "Post-war Industrial Expansion" on a national scale.

The two subjects are closely related and interdependent. Success in achieving financial stability and the expansion of industrial production depends almost entirely on our ability to create full and productive employment for our people, for no scheme of political economy may hope to succeed without efficient industrial enterprise. Throughout the world there will be considerable leeway to make up in all types of goods and products for civilian use and limited quantities of merchandise of all descriptions will be urgently wanted.

Dealing with the economic side of planning our future welfare, Sir Kingsley Wood uttered a warning against the dangers of a false prosperity based on monetary inflation and said our former standard of living could only be gradually restored in line with our trade recovery and expansion. He believed that inflationary tendencies would be more potent and prolonged than they were following the 1914-18 war, and there would have to be a considerable measure of control of our post-war economic life. It might be desirable to continue the war-time policy of stabilisation of cost of living by subsidising primary and essential products and by the control of prices of other goods in common use. Here is a pointer that the Prices of Goods Act, 1939, possibly in some modified form, will continue to operate in the immediate post-war period.

Post-war Controls

Two other post-war controls were forecast by the Chancellor, namely, on supplies of raw materials and on new capital issues: the former control to operate in cases where there was a scarcity of basic materials and the latter to direct capital to developments which were nationally most important. No direct reference was made as to the future of the limitation of supplies, but it is assumed that this necessary war-time restriction will be removed as quickly as possible. Indirectly, under the control of raw materials, the output of certain non-essential industries may have to be temporarily curtailed until the requirements of industries more concerned with national stability are met. In all respects priority would be given to production of goods needed for export, but there was no mention of what facilities or assistance would be given to exporters or whether co-operative schemes of exporting would be proposed. Passing reference was made to the burden of taxation now being carried by industry, but no indication was given that some relief might be expected when peace comes. Rather naively, the Chancellor said they would have to look to the increased productivity of industry to maintain national economy.

Summarised, the post-war economic policy advocated includes the creation of

the maximum of productive employment and industrial expansion and an outright priority of production and distribution of goods required for export; avoidance of inflation and stabilisation of cost of living with possibly a gradual return to pre-war standards of living; control of certain raw materials until supplies became adequate; control of new capital issues and little, if any, immediate relief of taxation on industry. No reference was made to any State schemes of production or public social services.

The President of the Board of Trade, in winding up the debate, outlined his national plan for post-war industrial expansion and said that already he had had many consultations with representative organisations of employers and employees in the leading industries and these conferences were continuing. In due course he hoped to present a national industrial plan in a series of schemes, for he was calling on trade and industrial organisations for reports on the chief obstacles to their return to full activity and employment within a reasonable period after the war and had asked for suggestions on how the Government could be of assistance. These consultations with industry will be completed before any important decisions are taken. It is hoped, said Mr. Dalton, that arising out of these discussions there would be suggestions for manufacturing new products and new methods of production and there would no doubt be need for substantial modernisation of plant and equipment. It was for each industry to make a thorough and searching investigation of their weaknesses and difficulties and to submit proposals as to how they could best be overcome, keeping in mind that the object aimed at was maximum employment and economic production. Investigations were being made as to the best peace-time use many of the war production factories could be put to when peace came, particularly where the factories are situated in pre-war distressed areas where it was proved that employment was insufficiently diversified.

Reviving Export Trade

In dealing with the important subject of the revival of our export trade the President

stated that already the secretary for the Department of Overseas Trade (Mr. H. court Johnstone) had had discussions with fifty-two industries, and that every possible facility would be given to manufacturers and shippers to increase their overseas trade. Negotiations were at present going on with the Governments of the Dominions and foreign countries with the object of reaching agreements on the subject of international trade. "Full employment was the post-war policy of the Government and this could only be achieved by increasing our exports to a much higher level than that of pre-war years.

An Element of Doubt

WHETHER the Periodic Table will in future include the letters An-Hv after the atomic number 85 in Group 7, Period IX, is an open question. A claim to have isolated a missing element was made some weeks ago in a Swiss report published in "The Times". A more popular version, complete with "glamour" portrait, appeared in the London "Daily Express."

Theoretical considerations early dictated the existence of the halogen, but it hitherto proved elusive. A 1931 claim by United States workers to have carried out a successful isolation—the element was provisionally called eka-iodine—was not counted. Unlike Halley's comet, which returned in 1759 and 1835 was also foretold from theoretical premises, the present discovery is not subject to visual demonstration at an appointed date. Hence the "Lancet" may refer to "reliable reports" at the same time as "Chemistry and Industry" (whose editor shows considerable acquaintance with the midwifery of chemical elements) expresses the "hope" that when details are published in this country they will provide conclusive evidence of the existence of this element."

Name and Symbol

Two names are associated with the discovery. Mrs. Alice Leigh-Smith, an Australian by birth but British by marriage, holds a British degree of Doctor of Science in nuclear physics. She has conducted researches in this country under the auspices of the British Empire Cancer Campaign,

work on element 85 was carried out, at any rate completed, in Berne in association with a Swiss professor, Dr. Under. For this reason, to name the element Anglo-Helvetium is a gracefully rendered tribute to the two countries which contributed, however passively, to the discovery. It may be that the hyphenated syllable is less happy from other points of view. The chemical symbol, for example, will almost inevitably be clumsy, we have already suggested. Indeed the chemists themselves seem to have had some doubts on this score, for they have let it be known that they may consent to something more concise when the isolation of the element is generally accepted. For the graphical basis of the name there is, however, good precedent, for the element takes its name from Poland and element Rhenium, presumably from the river Rhine. One may hope that the time is not distant when the eminent claimants will present their evidence in person to the assistance of British scientists.

TRADE MARKS

in "The Trade Marks Journal," January 27) "PROSOPE"; for soaps and saponaceous preparations (3). By London Soap and Chemical Co., Ltd., 30-31 Richardson Street, London, S.E.1. 620,365 (Associated). "HIRLIN"; for pharmaceutical substances for human and veterinary use, sanitary substances, disinfectants and medicated toilet powder (5). By The General Kaputine Syndicate, Ltd., The Gem Works, Fields New Road, Chadderton, Oldham. 620,603-4; 621,129 (all Associated). "BORROL"; for laundry preparations, cleaning preparations and for soaps, perfumery, essential oils, cosmetics, hair lotions and dentifrices (3). For all goods (5). By Drugs, Ltd., 145 Sydney Road, Muswell Hill, London, N.10. 621,182-83 (Associated). "AUSTO'S"; for toilet preparations, not medicated (3). By J. E. Dearman, Willowott, Stevenage Lane, Walkern, Stevenage, Herts. 621,208. "Y" in device form; for jelly lubricants for surgical instruments (4). By Johnson & Johnson (Gt. Britain), Ltd., 603-04 Bath Road, Slough, Bucks. 620,610 (Associated). The incorporation of the sign of Mars and the sign of Venus and words "Allied Laboratories, Ltd." (sign of Mars and sign of Venus disclaimed); for pharmaceutical preparations and substances (5). By Allied Laboratories, Ltd., 85-86 New Bond Street, London, W.1. 620,167.

MEDICAL ABSTRACTS

Chlorinated Naphthalene Poisoning.—Used as an insulating material in the electrical engineering industry, chlorinated naphthalene has poisonous properties, and the conditions under which it is handled demand attention. Collier ("Lancet," January 16, p. 72) states that the wax may result in chloracne of the face, or in yellow atrophy or necrosis of the liver. He urges that the wax should not be overheated, and that fumes and dust should be carried away by exhaust ventilation.

Oil Economy in Skin Treatment.—It is pointed out by Percival in the "British Medical Journal" (February 6, p. 160) that greasy bases are essential and irreplaceable in certain inflammatory skin diseases, particularly of the eczematous type. For this reason, economy can only be secured by a procedure or manipulation that eliminates the need for oils and soaps in removing the greasy bases. Four substances are named which will remove from the skin a paste containing zinc oxide 15 per cent. without a preliminary cleansing of the skin with oil. These are the sodium salt of sulphonated oleic acid; polyethenoxy-ether of cetyl alcohol; the sodium salt of the sulphuric ester of sperm-oil alcohol; and cetyltrimethyl ammonium bromide. Incorporating an emulsifying base in the ointment base also effects economies in oil. The following formulas have been successfully used:—

	Parts
Soft paraffin	25
Octadecyl alcohol	2-4
Diethylene glycol distearate	2.5-5
Sodium cetyl sulphate (15% paste)	1
Water	22-26

This emulsion must be kept in a closed container to avoid evaporation.

Tetraethenoxy-cetyl alcohol	10-20
Soft paraffin	.. to 100
Cetyl alcohol	
— 4 mols. ethylene oxide	40
Cetyl alcohol	40
Sodium cetyl sulphate	20
Soft paraffin	.. to 100

To remove these preparations from the skin no oil is required, and considerably less soap is used than is necessary when a cleansing oil has been applied before the soap and water in the removal of an ordinary paste base; sometimes no soap is needed.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

THE monthly meeting of the Council of the Pharmaceutical Society was held at Derby on February 2 and 3, when the members present were the president (Mr. W. S. Howells), Mrs. J. K. Irvine, Sir Malcolm Delevingne, Sir Walter Langdon-Brown, Professor W. J. Dilling, and Messrs. J. T. Appleton, C. Davis, W. Deacon, J. H. Franklin, H. M. Hirst, G. R. Knox Mawer, J. F. McNeal, A. R. Melhuish, L. M. Parry, P. F. Rowsell, H. C. Shaw, H. Skinner, B. A. Williams and F. C. Wilson, with the secretary and registrar (Mr. H. N. Linstead).

Tuesday's Session

Among the matters dealt with on Tuesday, February 2, were the following:—

Vacancy on the Council

It was decided to co-opt Mr. C. W. Mapletorpe as a member of the Council in place of Mr. E. Saville Peck, retired (*C. & D.*, February 6, p. 139).

Organisation of Employed Pharmacists

The Council received a report of a conference arranged by the Council and held on January 24 to consider the more effective organisation of employed pharmacists. The conference, which was held under the chairmanship of the president, was attended by five members of Council representing the Council, and representatives of the following organisations: Association of Pharmaceutical Employees, Association of Scientific Workers, Guild of Public Pharmacists, National Association of Women Pharmacists, National Co-operative Managers' Association (Managing Chemists' Section), National Union of Distributive and Allied Workers, and four employed pharmacists not representing organisations. An interchange of views took place and a committee was appointed to examine further the various questions involved and present a report on these matters at a subsequent meeting of the conference.

Wednesday's Proceedings

Correspondence

The Pharmaceutical Society of Australia sent greetings.—A letter of thanks to the Council for a resolution passed with reference to his resignation was received from Mr. E. S. Peck.

Examinations

Following on the receipt of Professor Stockman's report as Privy Council visitor on examinations held in Scotland during 1942, the Education Committee recommended that three representative teachers and three representative examiners be invited to meet the chairman of the Committee (Mr. Rowsell), Sir W. Langdon-Brown and Mr. Knox Mawer to discuss and suggest improvements in the biology syllabus of the Society's Intermediate examination and that similar representatives be invited in respect of the physiology syllabus of the Qualifying examinations. This was endorsed.

Birthdays

On the proposition of MR. KNOX MAWER seconded by MR. APPLETON, it was decided to send congratulations to Mr. LEO GEORGE on his recent eightieth birthday. MR. APPLETON spoke of the debt chemists owe to him in connexion with the passing of the National Insurance Act. MR. DEACON and the secretary were both celebrating their birthday on the day of the meeting and congratulations were also extended to them.

Registration

THE REGISTRAR reported that since the last meeting thirty-four persons had been registered as apprentices or students. Seventeen names removed from the register before 1943 had been restored, diplomas had been granted to nineteen persons who had passed the Ph.C. examination, seven persons (two Czechs, three Austrians and two Germans) had been temporarily registered, and two Irish pharmacists had also been registered under the reciprocal agreement.

Special Examiners

An Order in Council was received approving the appointment of the following as special examiners for the year 1942: *England and Wales*, Stephen L. Ball, Edward J. Wayne and George B. Wainman; *Scotland*, John M. Robertson.

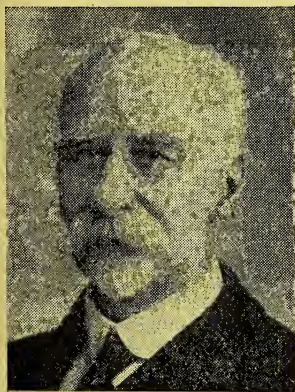
Benevolent Fund

Special contributions to the Benevolent Fund during January amounted to £100. Seven applications for assistance were received.

considered, grants being made in six cases the other deferred for a month.

Retirement of Mr. James Jack

A letter was received from Mr. James Jack announcing his retirement from his membership of the Council. MR. PARRY, moving the acceptance of Mr. Jack's resignation, said: "I have known James Jack for nearly fifty years. No one round



Mr. James Jack, Ph.C.

the table will feel the absence of James Jack more than I shall. He has told me many times that he was awaiting an opportunity to retire and I am sure that the Council will accept his resignation with very little regret. I am sure others will wish to express what James Jack has meant to the Council." MR. KNOX MAWER, in seconding, said: "I for one would like to express my appreciation of Mr. Jack, particularly in respect of his great mental power and insight." Tributes were also paid by MR. HIRST and MR. APPLETON. Putting the motion, THE PRESIDENT said: "No one round this table could be so assured of the affection of the Council as James Jack. Before he became a member of this Council he was a member of the Board of Examiners for Scotland. We all look upon him not only as a good pillar, but also as a great man." The Council then passed unanimously the following resolution:—

That the Council record with great regret the retirement of James Jack from membership of the Council. A former member of the Board of Examiners for Scotland and for many years a member of the Executive of the North

British Branch, on which body he had served as chairman, Mr. Jack became a member of Council in 1924 and has for nineteen years served in that capacity, latterly also as chairman of the Law Committee and as a member of the Statutory Committee. A practising pharmacist of high standing, a leader of Scottish pharmacy and a botanist of distinction, Mr. Jack gave freely of his knowledge and experience gained from a wide range of pursuits. He served the Society with conspicuous ability and the Society owes much to him for his contribution to the conduct of its affairs over many years."

To fill the vacancy created by Mr. Jack's retirement the Council co-opted Mr. M. Meldrum.

Branch Representatives

Having considered whether it was in the general interests of the Society that a meeting of Branch representatives should be held during 1943, the Organisation Committee recommended that one should take place, and this was agreed to. It was arranged provisionally that time be given for discussion upon the Report of the Committee of Inquiry, the Beveridge Report, the work of the Planning Committee, amendments to the statement upon Matters of Professional Conduct, and to a session of question and answer.

War Aid Fund

The total of the War Aid Fund at the end of January was returned at £24,828. The Committee had had a request from the Middlesex Pharmaceutical Committee to nominate one person to act with a nominee of the National Pharmaceutical Union and the chairman and secretary of the Pharmaceutical Committee to deal with any questions arising on the penny-in-the-pound scheme of deductions from National Health Insurance Accounts, and they had decided that Mr. Plowright should represent the Society. The West Riding Committee, it was stated, had collected £800 by means of the scheme, this being divided equally between the Society and the N.P.U.

Registrar's Report

THE REGISTRAR submitted his report for the year 1942 and the following summary embodies the chief features:—

INSPECTION OF SHOPS.—During 1942 the Society's inspectors have had the additional duty of visiting premises registered under Section 1 (1) (g) of the Pharmacy and Medicines

Act, 1941. These shops are mainly shops owned by corporate bodies who are authorised sellers of poisons at other shops. The limitations imposed by Section 1 of the 1941 Act apply to these shops, 4,974 of which have been registered during the year. Many of them are in suburbs and in the country and the inspectors have been faced with substantial travelling difficulties in visiting them. The inspectors report that these shops fall into two categories. Where the organisation of these branches has been entrusted to the superintendent chemist of the company, the arrangements made have been found in almost every case to be in accordance with the law. In the second group, where this has not been done, a lack of understanding of the requirements of a complicated piece of legislation by those who have endeavoured to comply with it has resulted in many mistakes, and the inspectors have had to devote a considerable amount of time in these cases to explaining the precise effect of the provisions and securing the necessary reorganisation. The inspectors have expressed the opinion that where the control of the superintendent is not exercised over the supply of drugs and medicines there is serious danger of loose and unsatisfactory distribution.

"SUBSTANTIAL PART OF A BUSINESS."—The interpretation of the words "substantial part of the business" which occur in Section 1 (1) (a) of the 1941 Act has not in practice given rise to serious difficulty. Shops have been found to fall clearly into one or other class—either grocery shops or drug stores. The few difficulties that have been encountered have arisen where pharmacists sought to register branches as drug stores on the assumption that if they did not sell loose drugs or poisons they were entitled to carry on business in accordance with the section.

EFFECT OF THE CALL-UP OF PHARMACISTS.—The call-up of pharmacists in the younger age-groups has seriously depleted pharmacies of qualified staff. Representations have been made to the Council for relaxation of the requirements of the Pharmacy Acts requiring a pharmacist to be in control of the business at all times when it is open. In particular representations have been made that a pharmacist should be permitted to undertake the supervision of more than one pharmacy. The Council have recognised the difficulties of authorised sellers of poisons at the present time, but are satisfied that the situation does not call for any measures of the kind proposed. There is no statutory authority for modifying the provisions of the Pharmacy Acts and the inspectors during the year have found that, generally speaking, the provisions of the Act requiring the supervision of a business by a pharmacist have been well observed.

SALES OF PART I POISONS.—It is satisfactory to report that there has been no increase in the number of prosecutions for the sale of Part I Poisons in the absence of a pharmacist in comparison with the numbers in the years immediately before the war.

DRUG STORES.—Certain of the Society's agents who were employed during the earlier

part of the war in other duties have now been transferred to assist the inspectors. In consequence a more complete inspection of drug stores has been possible during 1942, and this is reflected in an increase in the number of proceedings. This increased inspection has been rendered necessary by the fact that shortage of other commodities has led to many traders with no knowledge of pharmacy or the safeguards imposed by the Pharmacy Act commencing to stock and sell drugs and medicines.

SCRUTINY OF ADVERTISEMENTS.—Arrangements have been made for the systematic scrutiny of advertisements in national and local newspapers and in periodicals, with a view to the enforcement of Sections 8 and 9 of the Pharmacy and Medicines Act, 1941. A substantial number of irregularities were disclosed when this scrutiny was begun, including in particular advertisements for the treatment of consumption, diabetes and epilepsy. Most of these advertisements were modified as the result of representations by the Society, but a number of cases were, on the instructions of the Council laid before the Attorney-General for his consent to prosecute. Irregularities are still to be found particularly arising from the use of advertising material prepared before the Act came into force.

DISCLOSURE OF FORMULAS.—The provision of Section 9 of the 1941 Act require the composition of substances recommended as medicines to be disclosed on the label, and came into operation during the year. The Society has given much advice to manufacturers as to the appropriate disclosure. The Council has of necessity had regard to the circumstances of the day in considering reports of breaches of Section 9, and has avoided, so far as is consistent with the intentions of the Section, requiring such modifications of packages or labels as would have necessitated the use of substantial quantities of paper, packing materials or labour. The Society participated in a friendly action with the proprietors of a tonic wine, when its interpretation was upheld by the High Court and the manufacturers amended their labels accordingly. The examination of the formulae of proprietary medicines as they are now disclosed has brought to light the extravagance of many claims made by manufacturers. In many cases these are the result of the continued use of wording used on labels for many years without careful scrutiny. The extravagance of language might have been considered appropriate at the time of their original preparation but the Society has had to require substantial modification to be made in many cases in order to bring them into line with the provisions of Section 8. The question of the relationship between composition and claims generally under special examination.

HORMONE AND GLANDULAR PREPARATION.—Difficulty has been experienced by manufacturers in declaring the composition of preparations containing hormones and gland extracts in terms compatible with the provisions of the 1941 Act. Difficulties of analysis of the preparations have also imposed restriction

upon the Society examining them. The tendency to exploit preparations of this type is growing, and the handicaps imposed by the present provisions of the Act are under examination.

THE REGISTRARS.—The number of shops visited was 17,063 (14,743 in 1941). The number of apprentices or students registered was 453 (40 in 1941). Additions to the Register of pharmaceutical Chemists and Chemists and Druggists during the year numbered 929, an increase of 264. The number of pharmaceutical Chemists on the Register on December 31, 1942, was 1,626, and the number of chemists and druggists 23,507. (In 1941 the figures were 1,612 and 23,257 respectively.) The number of chemists and druggists does not include pharmaceutical chemists whose names appear in both Registers. The Register of Premises shows the number of authorised sellers of poisons as 4,442 (14,924 in 1941), and the number of branch shops owned by authorised sellers of poisons as 4,974. The Register of Superintendents to Bodies Corporate in Great Britain and of firms or partnerships in Scotland contains 1,078 names (2,080 in 1941). In England and Wales 517 persons entered for the Chemist and Druggist Qualifying examination and 227 passed.

In Scotland the figures were 325 and 184 respectively. In the Pharmaceutical Chemist Qualifying examination 43 entered and 24 passed in England and Wales, and 54 entered and 24 passed in Scotland. A list is given of twenty-six cases in which proceedings were instituted under the Pharmacy Acts, 1852 to 1941, together with particulars of the result in each case.

In answering questions, THE REGISTRARS stated that the 4,974 branch shops registered under the 1941 Act were all businesses where drugs were being sold and a very large number belonged to co-operative societies. The names of about 200 retired pharmacists, including married women, had been removed from the Register. Members struck off because of non-payment of fees numbered 419 as compared with over 800 in 1941. There was always a small nucleus of people who were bad payers.

Arsenic for Rats

The Law Committee reported that during the period December 20 to January 16 the Inspectors visited the premises of 625 authorised sellers and sixty-one other shops, and agents visited 297 drug stores. The number of alleged infringements of the Acts were reported and appropriate action was taken. Following on an address on the destruction by an officer of the Ministry of Food a number of bottles of arsenic appeared to have been distributed to members of a trading organisation through other than the normal channels. It was recommended that the Ministry be asked

to emphasise, when advice was given, the desirability of obtaining through chemists supplies of arsenic required for rat destruction in order to ensure that adequate records of the transactions were available. The report was adopted.

British Pharmaceutical Codex, 1934

The Council approved the recommendations of the Codex Revision Committee to provide a specification for oiled artificial silk (waterproofed rayon) for use instead of oiled silk and to permit the use of yellow soft paraffin in place of white soft paraffin in making the ointments of the British Pharmaceutical Codex. The recommendations approved are as set forth below:—

1. *Oiled Artificial Silk*: To add the following monograph to Part III (Surgical Dressings) of the British Pharmaceutical Codex, 1934.

SERICUM OLEATUM FACTITIUM

(Seric. Oleat. Fact.)

Oiled Artificial Silk

Synonyms—Oiled Rayon, Waterproofed Rayon

Oiled artificial silk consists of rayon fabric woven from a thirty denier strong rayon yarn of seventy or more filaments and having not less than 100 threads in the warp and in the weft, completely waterproofed by treatment with a plasticised synthetic resin of the type known in commerce as "glyptal," and without added colouring matter. It should be stored in a cool place.

Standard.—Oiled artificial silk is composed of a rayon fabric of plain weave, regularly woven and reasonably free from weaving defects. Weight of the waterproof fabric, not less than 2.25 ounces and not more than 2.75 ounces per square yard. Weight of the fabric, after removal of the waterproofing material and other foreign matter and after correction has been made for the natural moisture regain of the particular rayon fabric used, not more than 0.85 ounce per square yard. Average number of threads per inch, not less than 100 in the warp and not less than 100 in the weft.

2. *Ointments*: To authorise the use of yellow soft paraffin in place of white soft paraffin in making the following ointments of the British Pharmaceutical Codex, 1934, and of its Supplements thereto: *Acidi benzoici compositum*, *Betanaphtholis compositum*, *Adrenalinæ*, *Adrenalinæ et cocainæ*, *Atropinæ*, *Bismuthi*, *Bismuthi oleatis*, *Camphoræ*, *Camphoræ durum*, *Cantharidini*, *Chaulmoogræ*, *Cocainæ*, *Creosoti*, *Ephedrinæ*, *Eucalypti*, *Ficariæ*, *Glycerini plumbi subacetatis*, *Hydrargyri ammoniati dilutum*, *Kaolini*, *Olei cocois*, *Plumbi acetatis*, *Plumbi carbonatis*, *Plumbi subacetatis*, *Potassii iodidi*, *Pyrogallolis*, *Resorcinolis*, *Rusci compositum*, *Sulphuris camphoratum*, *Veratrinæ*, and *Zinci morrhuatæ*.

Central War Committee

The Central Pharmaceutical War Committee had had before them a copy of a letter from the Association of Pharmaceutical Employees asking that, in view of the steps which the Committee proposed to take in recommending pharmacists of over thirty for withdrawal from one place of employment and for substitution in place of younger men in other pharmaceutical employment, early steps should be taken with a view to establishing machinery for regulating salaries and conditions of service in retail pharmacy. It was agreed by ten votes to two that a reply be sent pointing out that the Committee had no power of directing pharmaceutical employees to particular employment; and that it was outside the terms of reference of the Committee to take action in initiating conditions of employment or for regulating salaries in retail pharmacy. A note by the secretary on future procedure in considering claims to deferment of call-up of pharmacists and dispensers was adopted subject to the amendment that the Central Committee should make proposals regarding the release of certain pharmacists in the area and should seek the opinion of the District Pharmaceutical War Committee upon those

proposals, and should inform the District Committees that in all other cases in the area before the Committee the maximum deferment was recommended. It was reported that there were about 110 pharmacists of under twenty-five and about 1,000 under thirty, which included those under twenty-five, still in civilian life.

Councillors Due to Retire

Members of the Council due to retire this year are Messrs. F. G. Wells, J. Franklin, G. R. Knox Mawer, A. R. M. Huish, L. M. Parry, P. F. Rowsell, and J. C. Young.

Refresher Course at Manchester

MR. J. H. FRANKLIN called the Council attention to the refresher course for pharmacists which had been started in the Pharmacy Department at the University of Manchester (see *C. & D.*, January 30, p. 11). He had visited the College and had been much impressed by the work the members of the pharmacy department had put in in preparing this course. Those taking the course were all members of the Society who had qualified from fifteen to twenty years ago. He considered the lectures of immense value.

NORTH BRITISH EXECUTIVE MEETING

A MEETING of the executive of the North British Branch of the Pharmaceutical Society was held in Edinburgh on January 20, Mr. W. F. Hay in the chair. THE CHAIRMAN referred to the death, since the previous meeting, of Mr. J. R. Sutherland, who had taken a keen interest in the work and would be missed by his colleagues. MR. D. HARLEY also spoke of Mr. Sutherland's worth and integrity, and it was agreed to send a letter of sympathy to Mrs. Sutherland.

Election Decision Postponed

A letter was submitted from a member deprecating the Council's decision to apply to the Privy Council for postponement of the Council election, and hoping that this would not apply to the Executive. Whilst it was considered that the Executive should follow the lead of the Council in this matter, it was agreed that the question should be raised again at next meeting.

Action for Potential Apprentices

THE RESIDENT SECRETARY explained the position of pharmacy students under the

call-up. Boys were not called to the Army till they were eighteen, and had to be registered with the Society before that time. The Registrar could not register anybody as a student unless the candidate presented an acceptable certificate and paid the appropriate fee. In Scotland, the average age at which a boy sat for his School Leaving certificate was seventeen-and-a-half; he might therefore be seventeen-and-a-half or eighteen before he got the result of his school-leaving examination. Unless some provision were made, a boy would be liable to be called to the Army before he had a chance of reservation for his profession. The medical and dental professions had been able to make arrangements for provisional acceptance, and he felt that something should be done to safeguard the position of pharmacy students. THE CHAIRMAN assured the resident secretary that he had the unanimous backing of the Executive in his attitude to the problem.

Discussion took place on the Quinine Orders, the Beveridge report and post-war hospital problems, a subcommittee being appointed to deal with the two latter items.

STERILISING SULPHANILAMIDE POWDER

LOWING a conference held recently under the auspices of the Medical Research Council to discuss methods of sterilising sulphanilamide, a report was issued of which the main points are given below.

The desirability of marketing sterilised sulphanilamide in sterilised containers all sulphonamide preparations intended for topical application was underlined by a reported fatal case of tetanus ("Lancet," 1942, I. 770) possibly due to a sulphonamide powder container. Sulphanilamide powder contaminated with tetanus spores be implanted in the tissues of animals, the presence of the drug has been shown not to prevent development of tetanus. An account of the procedure followed in America for the large-scale sterilisation of sulphanilamide powder in small packages ready for use was published in the "Lancet" (1942, II. 322). A conference held in November 1942 between representatives of the Medical Research Council and Association of British Chemical Manufacturers agreed that the procedure was suitable for adoption also by British manufacturers of sulphanilamide powder, and that the powder thus sterilised should be issued in sterile packets each containing 1 g. The recommendation, however, must not be put into effect, and would not apply to existing stocks in hospitals and elsewhere, and the conference proceeded to consider suitable methods of small-scale sterilisation of sulphanilamide powder. Lack of uniformity in results reported by different investigators with a method which, on theoretical grounds, should have proved satisfactory, were attributed to minor variations in technique and, more especially, to the known variability of different commercial preparations of sulphanilamide powder.

Control of Temperature

Thermostatic control of a hot-air oven, without a check on the actual temperature of the powder itself, was considered insufficient to ensure that the temperature used at for sterilisation was in fact being attained; careful control in this respect, by means of thermocouples in certain of the packages, was one of the notable features of the procedure mentioned for large-scale sterilisation. Caking and discoloration of powder on heating might depend upon a number of factors, including degree of purity, moisture content and particle size. Powders tended to cake, and a powder

found satisfactory for large-scale issue in the United States was standardised at a 40-80 mesh. It was agreed that a sulphanilamide powder, to be satisfactory for local use after sterilisation, should not show more than a slight discoloration after heating at 150° for one hour.

Small-scale Methods Suggested

For the small-scale sterilisation of sulphanilamide powder in hospitals, etc., the following procedures were recommended:—

(a) DRY HEAT MAINTAINED AT 150° C. FOR ONE HOUR IN A PARAFFIN BATH:—

Use dry, sterile cotton-wool plugged test tubes (5 in. \times $\frac{3}{4}$ in. or smaller diameter). Half-fill them with the dry powdered substance, using a powder funnel. Flame the upper portion of the tubes and replug with the sterile plugs. Immerse to within 1 in. of the tops of the tubes in a liquid paraffin oil bath and maintain at 150° C. for one hour. If the tubes are to be stored, plugs should be covered with transparent tissue or paper.

(b) DRY HEAT MAINTAINED AT 150° C. FOR ONE HOUR IN AN ELECTRIC OVEN, with precautions to ensure even heating.

(c) AUTOCLAVING IN A DRESSINGS STERILISER, by the procedure described in THE CHEMIST AND DRUGGIST, 1942. II. 251.

A proviso should be added with each of the recommendations that a sulphanilamide powder to be satisfactory for local application should not cake nor be more than slightly discoloured with any of the techniques proposed.

COMING EVENTS

Tuesday, February 16

ROYAL SOCIETY OF ARTS, John Adam Street, Adelphi, London, W.C.2, at 1.45 p.m. Dr. S. S. Pickles on "Rubber: Natural versus Synthetic."

Wednesday, February 17

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Mr. F. W. Adams (Deputy-secretary, Pharmaceutical Society) on "Trends of Thought and Action."

Thursday, February 18

CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 2.30 p.m. Professor J. M. Gulland on "Aspects of Nucleotide Chemistry" (Tilden lecture).

Across the World in War-time

Australia

By Herbert A. Berens, B.A. (Cantab.), F.C.S.

(Continued from *The C. & D.*, January 30, p. 124)

I WAS warned to be in Los Angeles by March 2, 1942. Los Angeles is twenty-one hours' flight from New York. No steamer ever sails at the expected time, and it was not until March 10 that I boarded a Swedish vessel, painted white and mounting no guns, since it was neutral. There was some feeling of anxiety amongst the nine passengers as we nosed our way out of the harbour and into the Pacific. The journey, however, was uneventful, and we saw neither land nor other vessels until we were well south of Sydney. Nineteen days (almost pre-war time) brought us to Melbourne, thence by train over two railways, each of different gauge, to Sydney and "our bridge." It requires a global war for Australia, as for so many other countries, to discover her resources. Much, however, still remains to be done.

An Interesting Discovery

Perhaps the most interesting discovery of all is the presence of two particular species of *Duboisia*—*D. myoporoides* and *D. Leichhardtii*. The former seems to be the more important as, according to its habitat, it contains either hyoscyne or hyoscyamine. According to reports furnished by the Council of Scientific and Industrial Research in August 1941, up to 3 per cent. hyoscyne can be obtained from the plant and up to 2 per cent. hyoscyamine. Inquiries I have made, however, indicate that in practice less than 1 per cent. of either alkaloid may be looked for. Even this yield, however, is an improvement on the majority of raw materials used as sources of these alkaloids, especially hyoscyne. It is curious that instead of being shrubs, as is usually the case, these *duboisias* are trees 20–60 feet in height, the alkaloid being contained in the leaves. Little work has been done on *Duboisia Leichhardtii*, which is stated to contain quite important quantities of hyoscyamine.

It is strange that these *duboisias* have only now come to the fore. Two forms were well known to the aborigines, *D. myoporoides* and *D. Hopwoodii*. *D. myoporoides* was known to them as "orungurabe," and was called "corkwood" and "elm" by the first colonists. Early research had indicated

that this tree contains an alkaloid said to be *duboisine*, which was shown to be closely allied to hyoscyamine and was later thought by Professor Ladenberg to be the same. *Duboisine* and its salts were formerly offered by the French, but it has now been proved that *duboisine* is not a pure alkaloid but a mixture of hyoscyne and hyoscyamine.

Australian Botanicals

In studying Australian botanical drugs it is unfortunate that the only really comprehensive book dealing with the flora of Australia is one published about 1887 by M. J. M. Madden—an excellent book but somewhat out of date. Madden mentions *Duboisia Hopwoodii*, which was known to the aborigines as "pituri." It was their custom to chew the leaves mixed with finely-broken twigs, as the natives of Peru did with coca; the Indians with betel nuts and the Arabs with "taezi kaat" (*Catha edulis*). This species of *duboisia* is extremely patchy in distribution, but very highly prized by the natives, who travelled long distances to obtain it. It was a valuable commodity for tribal barter, and for this purpose was neatly packed in net bags or skins. Sometimes the "pituri" is chewed in company, a quid being passed round from one native to another. Sometimes it is smoked. It has a powerful stimulating effect, assuaging hunger and enabling long journeys to be undertaken without fatigue and with little food.

Official Research Work

The Council of Scientific and Industrial Research are certainly to be congratulated on the work which they have carried out. The work on the crystallisation of hyoscyne as well as that on the extraction of morphine, codeine and opium from *Papaver somniferum*, is greatly due to the perseverance and enthusiasm of Dr. Russell Grimwade, who is now associated with Feltz Grimwade of Melbourne. With regard to the extraction of opium from *Papaver somniferum* they are following what is known as the "Hungarian" method, using the whole plant, and it is to be hoped that before long Australia will be self-supporting

these narcotics. Experiments are taking place for growing *Digitalis purpurea* and *Digitalis lanata*. A high-testing ergot has also been obtained which, I was informed, has good authority, yields as much as 0.76 per cent. alkaloid. This figure, however, seems to be an exceptionally high one. Experiments have also been carried out with belladonna, stramonium, henbane and species of datura, though with native supplies of duboisia it seems difficult to understand why this should have been one.

Attempts have also been made to grow *Phedra sinica* without very satisfactory results. Here again one cannot quite understand why they should choose the *sinica*, when both the Northern Indian and Spanish varieties give much higher yields of ephedrine. It appears that they only considered other varieties after they failed to obtain the necessary results with *sinica*. They are now, however, concentrating on *Phedra Gerardiana* and possibly good results will be obtained.

Yields from Indigenous Plants

Experiments with *Artemesia maritima* (*A. cinna*) gave flowering plants but no seeds. Samples from heads collected gave 53 per cent. santonin. Everywhere I went inquired as to the possibility of a raw material for extract filicin but there seemed to be no indigenous plant in Australia with any filicin content. Experiments carried out in Victoria with regard to obtaining wormseed oil (chenopodium) from an indigenous plant, *Chenopodium ambrosioides*, var. *anthelminticum*, have proved fairly successful, and it is expected that some oil for local needs will be obtained. Eucalyptus oil, like most indigenous products of Australia, is in short supply, owing to the difficulty of obtaining the necessary labour for collection and distillation. It may be expected that few shipments of eucalyptus oil will be made from this country, especially as it is probable that America will want any available supplies in return for Lease-Lend material. At present practically all exports are prohibited. This also applies to *Eucalyptus* resins—which is being used in Australia for the manufacture of menthol and thymol required for Australian consumption. Since about ten tons per month have been available it is difficult to understand how Australia itself can consume all the menthol and thymol which should be manufactured from this quantity of oil. It has been stated that some of the menthol and thymol

manufactured has been exported to America but it was not possible to confirm this.

Huon pine oil, containing 95 per cent. methyl-eugenol, comes from Tasmania, and is one of the best sources of vanillin. Very small quantities, however, have been available due to the difficulty in obtaining transport from Tasmania to the mainland. Of the various gums, probably the chief export is yacca gum (gum accroides or grasstree gum), by far the most plentiful. The red yacca gum comes chiefly from Kangaroo Island, off the south coast of Australia. A yellow variety, which comes from New South Wales, is a more expensive product and is used in high-class varnishes, but the quantity available is small. Gum kino (eucalyptus gum) is in small supply due to the difficulty of collection. Types of sassafras, citronella and cedarwood oils are being distilled locally, and a combination of the last two has been found suitable for producing anti-mosquito ointments and lotions.

(To be concluded)

ZANZIBAR CLOVE EXPORTS

THE report of the Zanzibar Clove Growers' Association for the quarter ended September 30, 1942, shows that supplies and exports during the quarter were:—

	SUPPLIES	EXPORTS
Zanzibar ..	124,315 lb.	To all destinations
Pemba ..	2,058,984 lb.	4,164,469 lb.

Of the total supplies, 2,062,078 lb. passed through the Zanzibar market and 121,221 lb. through the Association's dépôt. No cloves were purchased by the Association. Export destinations and quantities were:—

DESTINATIONS	BALES	LB.
Bombay and Indian ports ..	24,695 ..	3,457,655
United Kingdom ports ..	2,583 ..	361,560
All other destinations ..	2,466 ..	345,254

In the terms of standard bales (140 lb. net) supplies were 15,595 and exports 29,744 bales. The Association supplied 2,111,158 lb. or 50.69 per cent.

Stems.—There were no particular features during the quarter. Supplies were small, and are not likely to reach any important size this season. Supplies during the quarter were 291,798 lb. The distillery absorbed 1,220,526 lb. The markets for oil were quiet and prices remained steady.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2, February 10

Most reports to hand this week indicate a quiet undercurrent of consuming trade with no substantial quantities involved. Under existing conditions dealers are not so much concerned with selling goods as with finding sufficient supplies to meet requirements. While some items may be had fairly freely, others, such as senega and some of the essential oils, seem to be disappearing from the market with little or no chance of re-establishing themselves until after the war. Prices on the whole are generally firmly maintained and without substantial change. Two new price schedules are published in the PHARMACEUTICAL CHEMICALS section, one for BROMIDES (reduced) and the other for BARIUM SULPHATE (advanced).

Crude Drugs

Little of interest has occurred in these markets during the week, and for the most part previous quotations are repeated. Business has been more or less confined to filling smallish orders from manufacturers requiring crude drugs for immediate consumption. Plenty of inquiry is being received for the lower grades of AGAR, but supplies cannot be found. ALOES remains firm and in fair inquiry. Sufficient supplies of ANTIMONY are coming forward to meet essential needs. BALSAM TOLU is scarce and tending dearer. Spot stocks of BENZOIN are becoming depleted, with little hope of replenishment. BUCHU is in small compass on spot. Zanzibar CLOVES is fractionally cheaper on the week. Interest in ERGOT is lacking. GUM ACACIA remains rather slow of sale but without quotable change. Firm conditions obtain for IPECACUANHA, with spot supplies rather difficult to find. Inquiries from Mexico are reported for bids for JALAP, but no indication is given of the test or the possibility of shipment. Good supplies of LIQUORICE ROOT may be had on spot. As noted last week, maximum prices for PEPPERS were amended from February 1. PIMENTO is offered on the spot at the lowest figure recorded for some time. Business in RHUBARB has been moderate, with prices unchanged. SEEDS are generally quoted at about the levels indicated last week, but

in some quarters lower figures are mentioned. SENEGA seems to have disappeared from the market. TRAGACANTH continues firm, with no further advance in the medium grades.

Essential Oils

Business in fixed oils of all descriptions has been extremely quiet, with no improvement to note in the supply position. Stocks of ANISE (STAR) are difficult to find, and prices continue to rule as previously quoted. CAJUPUT is firm, with only small supplies available. CITRONELLA remains in good request, but Ceylon is scarce on spot. English distillers' prices for CLOVE are unchanged. EUCALYPTUS has a slightly easier tendency. No developments have been reported in the possibility of Lease Lend supplies of PEPPERMINT. Controlled prices of FIXED OILS are at the level indicated last week.

Pharmaceutical Chemicals

ACETANILIDE.—The price of B.P.C. crystals remains at about 2s. 5d. per lb., with powder one penny per lb. extra.

ALLOBARBITONE.—Makers quote at about 64s. per lb.

BARIUM SULPHATE, B.P. (x-ray).—Higher prices are announced, as follows:—

Containers	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
1 to 4 lb...	1 9½	—	—	—	—
4 to 7 lb...	1 8½	1 7	—	—	—
7 to 14 lb...	1 7½	1 6	1 5	—	—
14 to 28 lb...	1 6½	1 5	1 4	1 3½	—
28 lb. to cwt.	1 5½	1 4	1 3	1 2½	1 2

BROMIDES.—Makers' prices for POTASSIUM have been reduced, as follows:—

Quantity	In parcels of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
From 1 lb. ...	3 9½	—	—	—	—
From 4 lb. ...	3 8½	3 6½	—	—	—
From 7 lb. ...	3 7½	3 5½	3 4½	—	—
From 14 lb. ...	3 6½	3 4½	3 3½	3 3½	—
From 28 lb. ...	3 5½	3 3½	3 2½	3 2½	3

SODIUM, 3d. per lb. extra; AMMONIUM, 2½d. per lb. extra powder, 2d. per lb. extra. W.D.T.A. packing charges applies to packages of less than 1 lb.

BRUCINE.—Makers' prices per oz., in lots of under 25 oz., are as follows: Alkaloid, 1s. 4½d.; trade, 1s. 3½d.; sulphate, 1s. 3½d.

CITRATES.—Prices of POTASSIUM, B.P., in lots of 28 lb.—1 cwt., are as follows (containers brackets): 3s. 2d. (1-lb.); 3s. 0½d. (4-lb.); 11½d. (7-lb.); 2s. 11½d. (14-lb.); 2s. 11d. (8-lb.). Prices of SODIUM, B.P., are at one penny below, and IRON and AMMONIUM (SCALES), P., at threepence per lb. above these prices. Packages extra.

CODEINE.—ALKALOID (4-oz. lots) is quoted 38s. 3d. per oz.; PHOSPHATE (in same lots), s. 3d.

HEXAMINE.—Free-running crystals, in cwt. lots, from about 2s. 3d. per lb.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): ALKALOID, 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (s.); HYDROCHLORIDE, HYDROBROMIDE and SULPHATE, 75s.; 4 oz., 70s.; 16 oz., 65s. (s. 2d.).

METHYL SALICYLATE.—Makers quote as follows: Five cwt., 1s. 11d. per lb.; one cwt., 11½d.; smaller quantities, in bottles, 2s. 1½d. per lb.

TANNIC ACID.—Supplies are restricted, but price is unchanged at 8s. to 8s. 3d. per lb., according to quantity.

TERPINEOL.—Available for medicinal use. Price, about 3s. 6d. to 4s. per lb., according to quantity.

VANILLIN.—Ex clove oil or guaiacol is quoted 22s. 6d. per lb. for 5-cwt. lots; one cwt., s. 9d.; 56 lb., 23s.; less than 56 lb., 23s. 3d.

Crude Drugs

AGAR.—A small routine business continues in material for bacteriological use. There is plenty of inquiry for the lower grades, but supplies cannot be found.

ALOES.—Firm and in fair inquiry. Cape, spot, s. 6d. per cwt.; Curaçao, 450s. per cwt., c.i.f.

ANTIMONY.—Both price and supply positions are unchanged. English minimum 99 per cent. Sulphur, £120 per ton, delivered; 70 per cent. Sulfide, for the home trade, £100, delivered.

BALSAMS.—*Tolu* remains in restricted supply, but the price a shade higher at 10s. to 10s. 3d. per lb.; *Canada*, if available, would fetch 9s. per lb.; *Peru*, unchanged at 8s. 6d. per lb.; *Guaiacum*, B.P., is unobtainable.

BENZOIN.—Slow but steady consumption is causing a diminution in spot stocks, which cannot be replenished in present circumstances. Prices are unchanged. Sumatra almondy block, in £18 to £25 per cwt., spot; good seconds at £19, according to holder and quality. Sumatra free "almonds," £32 to £35.

BUCHU.—Fair green rounds, in small compass spot, may be had at 6s. 6d. per lb.

CAFFEA.—An ordinary routine business is going on in the natural grades at unchanged prices. Chinese, B.P., spot, 11s. 6d. per lb.;

crude (92 per cent.), 10s.; Japanese slabs, 12s. English synthetic, B.P., to approved buyers, 8s. per lb.

CLOVES.—Price of Zanzibar on spot is fractionally lower at 1s. 6½d. per lb., sellers; second quality, to arrive, 1s. per lb., c.i.f.

DANDELION ROOT.—Indian, in small compass on spot, 140s. per cwt., ex store.

DIGITALIS LEAVES.—Spot price of good-testing Portuguese remains steady at 135s. per cwt. English grown leaves, 2s. 4d. per lb.

DRAGON'S BLOOD.—Re-boiled is no longer available. Dull Zanzibar drop may be had at £21 per cwt., and seedy lump at £30.

ERGOT.—Demand remains extremely small. Old-crop is offered on spot at 5s. 3d. per lb.; part-wormy, 4s. 3d. to 4s. 6d. per lb.; shipment, 5s. per lb., c.i.f.

GUM ACACIA.—Rather slow of sale. Kordofan cleaned sorts, spot, 95s. per cwt., shipment, 65s. per cwt., c.i.f. Bleached gum would be available for shipment at 130s. per cwt., c.i.f.

IPECACUANHA.—Firm and in fair demand. Good-testing Matto Grosso on spot, 19s. 6d. to 20s. per lb. Minas, B.P., spot, probably none available under 16s. per lb.; under B.P., business done at 15s. 3d., but apparently little left. EXT. IPECAC. LIQ., steady at the recent advance as follows: B.P., 1932, under three, 28s. 6d. per lb.; three and under six, 28s.; six and under twelve, 27s. 6d.; twelve and over, 26s. B.P., 1914, under three, 26s. 6d.; three and under six, 26s.; six and under twelve, 25s. 6d.; twelve and over, 25s. per lb., all prices net.

JALAP.—Dealers are asking the following prices per lb., but request is moderate: Brazilian root, 15 per cent. resin, continues to be offered at 95s. per cwt.; a higher grade is as follows: 16 per cent., 105s. Mail from Mexico, asks for bids, but no indication is given of test or possibility of shipment.

KAMALA.—Five per cent. ash is offered on spot at 2s. per lb.

LIQUORICE ROOT.—Good spot supplies of East Indian at 75s. per lb.

MENTHOL.—In fair demand. Chinese, spot, 75s. to 79s. per lb., duty paid, according to seller; Japanese, 77s. 6d. to 80s. per lb.

MERCURY.—Current official prices range from £68 10s. to £69 15s. per bottle for quantities of over 7 lb.

NUX VOMICA.—A few orders are received from time to time. Cochín, washed and garbled, is steady on spot at 42s. 6d. to 45s. per cwt., according to seller.

ORANGE PEEL.—Bitter quarters, spot, 3s. 3d. per lb.; some dried unripe fruit is offered for pharmaceutical purposes at 9d. per lb., ex warehouse London.

PAPAIN.—Spot, nominal at 17s. 6d. per lb.

PEPPERS.—As noted last week (p. 152), maximum prices were amended on February 1.

PIMENTO.—Sellers on spot at 1s. 9d. per lb.; shipment prices not quoted.

PODOPHYLLUM ROOT.—Dealers offer *Emodi*, 15 per cent., on spot at 82s. per cwt.; afloat, 65s., c.i.f.

PSYLLIUM SEED.—Indian seed, on spot, 1s. 3d. per lb., ex store.

PYRETHRUM.—On February 1 control was extended to stocks of others than manufacturers.

QUILLAIA BARK.—Spot price of crushed or cut, 115s. per cwt.; natural, afloat, 80s., c.i.f.

RHUBARB.—Business moderate; prices unchanged. Good-quality rough-round, spot, from 7s. 6d. to 8s. per lb., according to quality and holder.

SAPONIN.—Rather more demand. Spot price is unchanged at 7s. 6d. per lb., ex store; shipment, 6s. 6d., c.i.f.

SEEDS.—Little business is passing; prices are generally unchanged but lower figures are mentioned in some quarters. **CORIANDER.**—Indian, 100s. per cwt., but some offers are considerably below this figure; English, 200s., with lower offers in some quarters. **CUMIN.**—Maltese, spot, 145s.; Indian, 130s. **DILL.**—Spot quoted at 190s. **FENNEL.**—Indian, 110s. **FENUGREEK.**—105s. **MUSTARD.**—Controlled (see *C. & D.*, November 28, 1942, p. 564).

SENEGA.—Spot supplies seem to be cleared.

SENNA.—Present supplies of practically all grades are adequate. Prices are as follows: Good hand-picked Tinnevely pods, 11d. to 1s. 2d. per lb.; ordinary grade, 10d. to 11d.; f.a.q., 6d. to 7½d. Hand-picked Alexandrian pods, 3s. 6d. to 6s., according to quality. Prices for leaves are as follows: Tinnevely No. 1, 9d. to 10d.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d. Alexandrian broken, 1s. 3d. to 1s. 4d.

SHELLAC.—Dull, with quotations ruling as previously quoted. Spot, standard TN orange, 205s. per cwt., value; pure button, unquoted; fine orange, 240s. to 290s. quoted.

SQUILL.—As noted recently, Portuguese is at the higher spot price of 95s. per cwt.; Indian, unchanged at 75s.

STRAMONIUM LEAVES.—Indian, spot, 105s. per cwt., but supplies are in small compass.

STROPHANTHUS SEED.—Not a lot here. Genuine Kombé, 100 per cent., spot, 10s. 9d. to 11s. per lb.

TRAGACANTH.—Continues firm. Prices of medium grades are unchanged. No. 1, white, £127 per cwt.; No. 2, white, £114; No. 3, white, £100; No. 4, white, £80; pale leaf, £72; amber leaf, £64; dark amber, £55; brown leaf, £45; red-and-brown leaf, £40; red leaf, from £33; woody and hoggy, from £17, ex store.

TURMERIC.—Spot price of sound Madras finger remains at 62s. 6d. per cwt., and that of wormy at 60s.

VALERIAN ROOT.—Spot supplies of Indian are small; price, 110s. per cwt., ex store.

WAXES.—**CARNAUBA.**—Fatty grey, 450s. per cwt.; chalky grey, 450s.; **Primeira**, 520s. **BEES'.**—Supplied only by members of the Association of Merchant Distributors of Beeswax.

Essential and Expressed Oils

ANISE (STAR).—Inquiry has again been moderate. Drums, in short supply on spot 54s. to 55s. per lb. Isolated offers may be had at lower prices.

BAY.—Spot price for small supplies would be about 12s. 6d. per lb.

BERGAMOT.—About 100s. per lb. would represent the basic price of any small remaining supplies, but business would have to be negotiated. Artificial substitutes can be had from British makers at considerably lower prices.

BOIS DE ROSE.—Present spot price would be in the region of 42s. per lb.

CAJUPUT.—Firm, with only small supplies available; price between 17s. and 18s. per lb.

CASTOR.—As noted last week (p. 153) controlled price of "firsts" has been advanced to £72 per ton, and that of "seconds" to £70 per ton, both naked ex works.

CITRONELLA.—Demand remains good; Ceylon, spot, scarce at around 19s. 6d. per lb.

CLOVE.—English distillers' prices are steady at about 14s. per lb., but larger quantities would be at lower rates.

COCONUT.—Prices are controlled, as follows: Crude, £36 12s. 6d.; refined deodorised, £44 refined hardened deodorised, £44, per ton, naked ex works.

COTTONSEED.—Controlled price is £49 per ton, naked ex works, for refined deodorised.

EUCALYPTUS.—In short supply, but with slightly easier tendency. 70 to 75 per cent. on spot, 5s. 9d. to 6s. per lb.

GERANIUM.—Basic price of any available supplies would be about 80s. per lb., but business would have to be negotiated. British makers can supply artificial substitutes at less.

GINGERGRASS.—Small spot supplies may be had at about 25s. per lb.

GROUNDNUT.—Official prices remain at between £48 and £54 per ton, naked ex works according to grade.

LINSEED.—Crude is officially quoted £46 10s. per ton, naked ex works.

PALMAROSA.—In limited supply on spot from 32s. 6d. to 35s. per lb.

PEPPERMINT.—The trade continues to look for Lease-Lend supplies, but so far no developments have been reported. Most spot holders of Chinese and Japanese are asking 95s. per lb. but it may be possible to find a few odd cases at around 90s.

PETITGRAIN.—Spot price of any available supplies would be in the region of 25s. per lb.

RAPESEED.—As noted last week (p. 153) crude has been officially advanced to £54 per ton, naked ex works.

ROSEMARY.—Spot price remains in the region of 16s. per lb.

THYME.—High-quality oil is unchanged spot at 25s. per lb.; other grades are at rather lower prices.

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B.D.H.

(Vitamin C)



substances have a stronger
to consideration in main-
ing the physical fitness of the
population than has ascorbic
(Vitamin C). The importance
of ascorbic acid lies in its power—
to reduce the incidence and
severity of infection.
to reduce the period of convalescence
and the period of healing of wounds
and fractures.

to reduce or to prevent undue prone-
ness to fatigue and stiffness of muscles
and to bring unwontedly vigorous
action.

The needs of infants and children are
to a large extent satisfied by the pro-
vision of rose-hip syrup, blackcurrant
juice, oranges and orange juice, but
in present conditions it is almost
impossible for adults to maintain a
sufficient intake of ascorbic acid from
the average diet. Adults will benefit
greatly from taking an extra amount
of the vitamin in the form of
ascorbic acid.

TABLETS of 50 mg.		Wholesale, each	Retail, each
Tube of 20	- -	1/4	2/-
Bottle of 100	- -	4/4	6/6
" " 500	- -	20/-	30/-
" " 1000	- -	39/6	59/3

TABLETS of 25 mg.			
Tube of 20	- -	-/10	1/3
Bottle of 100	- -	2/8	4/-
" " 500	- -	11/8	17/6

Also in 5 mg. tablets for infants
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<i>Boots Product</i>	<i>Pharmacopoeial Name</i>	<i>Therapeutic use</i>
BROMETHOL — BOOTS Bottles of 25 c.c. and 100 c.c.	Bromethol	Basal anaesthetic for rectal administration.
PYLUMBRIN Ampoules of 3 c.c. and 20 c.c.	Diodone	Contrast agent for X-ray examination of renal pelvis, ureter, bladder.
HEXANASTAB Ampoules of 0.5 gm. and 1 gm.	Hexobarbitone Soluble	Intravenous anaesthetic.
HEXANASTAB — ORAL Tablets of 0.25 gm. 4 gr. (approx.)	Hexobarbitone	Rapidly excreted hypnotic.
URUMBRIN Ampoules of 3 c.c. and 20 c.c.	Iodoxyl	Contrast agent for X-ray examination of renal pelvis, ureter, bladder.
AZOL Ampoules of 2 c.c.	Hexazole	Shock (convulsive) treatment of schizophrenia.
PHRENAZOL Ampoules of 1 c.c., 3 c.c., 5 c.c. and 25 c.c., R.C. Vial. For oral administration $\frac{1}{2}$ fl. oz. Botts. and Tablets of 0.1 gm.	Leptazol	Shock (convulsive) treatment of schizophrenia and cardiac and respiratory stimulant.
PHOLETONE Ampoules of 1 c.c.	Pholedrine	Cardiac and respiratory stimulant.

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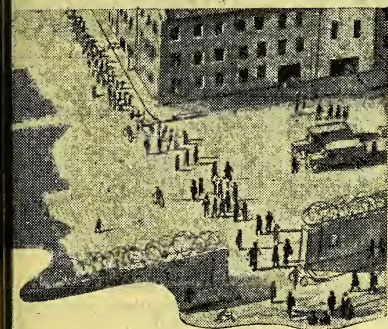
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FEBRUARY 13
1943

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JOHN E. LIGHTBURN,
Clerk of the County Council.

County Hall,
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